Список литературы

- [1] Y. Akimoto and A. Auger, "Theory of evolution strategies and related algorithms," in *GECCO* 2015 Advanced Tutorials, A. Simoes, Ed. Madrid, Spain: ACM, 11-15 July 2015, pp. 575–588.
- [2] Y. Akimoto, A. Auger, and N. Hansen, "Continuous optimization and cma-es," in *GECCO 2015 Introductory Tutorials*, A. Simoes, Ed. Madrid, Spain: ACM, 11-15 July 2015, pp. 313–344.
- [3] E. Alba, "Intelligent systems for smart cities," in *GECCO 2015 Specialized Tutorials*, A. Simoes, Ed. Madrid, Spain: ACM, 11-15 July 2015, pp. 707–722.
- [4] H. J. Aljawawdeh, C. L. Simons, and M. Odeh, "Metaheuristic design pattern: Preference," in GECCO 2015 2nd Workshop on Metaheuristic Design Patterns (MetaDeeP'15), C. Simons, J. Swan, K. Krawiec, D. Tauritz, and J. Smith, Eds. Madrid, Spain: ACM, 11-15 July 2015, pp. 1257–1260.
- [5] L. Altin, H. R. Topcuoglu, and M. Ermis, "Evolutionary dynamic optimization techniques for marine contamination problem," in *SecDef'2015 Workshop on genetic and evolutionary computation in defense, security and risk management*, F. W. Moore and N. Zincir-Heywood, Eds. Madrid, Spain: ACM, 11-15 July 2015, pp. 889–892.
- [6] K. Alyahya and J. E. Rowe, "Landscape properties of the 0-1 knapsack problem," in GECCO Companion '15: Proceedings of the Companion Publication of the 2015 on Genetic and Evolutionary Computation Conference, S. Silva, A. I. Esparcia-Alcazar, M. Lopez-Ibanez, S. Mostaghim, J. Timmis, C. Zarges, L. Correia, T. Soule, M. Giacobini, R. Urbanowicz, Y. Akimoto, T. Glasmachers, F. Fernandez de Vega, A. Hoover, P. Larranaga, M. Soto, C. Cotta, F. B. Pereira, J. Handl, J. Koutnik, A. Gaspar-Cunha, H. Trautmann, J.-B. Mouret, S. Risi, E. Costa, O. Schuetze, K. Krawiec, A. Moraglio, J. F. Miller, P. Widera, S. Cagnoni, J. Merelo, E. Hart, L. Trujillo, M. Keswsentini, G. Ochoa, F. Chicano, and C. Doerr, Eds. Madrid, Spain: ACM, 11-15 July 2015, pp. 1343–1344.
- [7] M.-Y. Ameca-Alducin, E. Mezura-Montes, and N. Cruz-Ramirez, "Differential evolution with a repair method to solve dynamic constrained optimization problems," in *GECCO'15 Student Workshop*, T. Tusar and B. Naujoks, Eds. Madrid, Spain: ACM, 11-15 July 2015, pp. 1169–1172.
- [8] L. Araujo, J. Martinez-Romo, and A. Duque, "Grammatical evolution for identifying wikipedia taxonomies," in GECCO Companion '15: Proceedings of the Companion Publication of the 2015 on Genetic and Evolutionary Computation Conference, S. Silva, A. I. Esparcia-Alcazar, M. Lopez-Ibanez, S. Mostaghim, J. Timmis, C. Zarges, L. Correia, T. Soule, M. Giacobini, R. Urbanowicz, Y. Akimoto, T. Glasmachers, F. Fernandez de Vega, A. Hoover, P. Larranaga, M. Soto, C. Cotta, F. B. Pereira, J. Handl, J. Koutnik, A. Gaspar-Cunha, H. Trautmann, J.-B. Mouret, S. Risi, E. Costa, O. Schuetze, K. Krawiec, A. Moraglio, J. F. Miller, P. Widera, S. Cagnoni, J. Merelo, E. Hart, L. Trujillo, M. Keswsentini, G. Ochoa, F. Chicano, and C. Doerr, Eds. Madrid, Spain: ACM, 11-15 July 2015, pp. 1345–1346.
- [9] S. Astete-Morales, M.-L. Cauwet, and O. Teytaud, "Criteria and convergence rates in noisy optimization," in GECCO Companion '15: Proceedings of the Companion Publication of the 2015 on Genetic and Evolutionary Computation Conference, S. Silva, A. I. Esparcia-Alcazar, M. Lopez-Ibanez, S. Mostaghim, J. Timmis, C. Zarges, L. Correia, T. Soule, M. Giacobini, R. Urbanowicz, Y. Akimoto, T. Glasmachers, F. Fernandez de Vega, A. Hoover, P. Larranaga, M. Soto, C. Cotta, F. B. Pereira, J. Handl, J. Koutnik, A. Gaspar-Cunha, H. Trautmann, J.-B. Mouret, S. Risi, E. Costa, O. Schuetze, K. Krawiec, A. Moraglio, J. F. Miller, P. Widera, S. Cagnoni, J. Merelo, E. Hart, L. Trujillo, M. Keswsentini, G. Ochoa, F. Chicano, and C. Doerr, Eds. Madrid, Spain: ACM, 11-15 July 2015, pp. 1347-1348.
- [10] A. Atamna, "Benchmarking ipop-cma-es-tpa and ipop-cma-es-msr on the bbob noiseless testbed," in *Black Box Optimization Benchmarking (BBOB 2015) Workshop*, Y. Akimoto, A. Auger, D. Brockhoff, N. Hansen, O. Mersmann, and P. Posik, Eds. Madrid, Spain: ACM, 11-15 July 2015, pp. 1135–1142.

- [11] E. Atilgan and J. Hu, "A combinatorial genetic algorithm for computational doping based material design," in GECCO Companion '15: Proceedings of the Companion Publication of the 2015 on Genetic and Evolutionary Computation Conference, S. Silva, A. I. Esparcia-Alcazar, M. Lopez-Ibanez, S. Mostaghim, J. Timmis, C. Zarges, L. Correia, T. Soule, M. Giacobini, R. Urbanowicz, Y. Akimoto, T. Glasmachers, F. Fernandez de Vega, A. Hoover, P. Larranaga, M. Soto, C. Cotta, F. B. Pereira, J. Handl, J. Koutnik, A. Gaspar-Cunha, H. Trautmann, J.-B. Mouret, S. Risi, E. Costa, O. Schuetze, K. Krawiec, A. Moraglio, J. F. Miller, P. Widera, S. Cagnoni, J. Merelo, E. Hart, L. Trujillo, M. Keswsentini, G. Ochoa, F. Chicano, and C. Doerr, Eds. Madrid, Spain: ACM, 11-15 July 2015, pp. 1349-1350.
- [12] J. E. Auerbach, G. Heitz, P. M. Kornatowski, and D. Floreano, "Rapid evolution of robot gaits," in GECCO 2015 Late-Breaking Abstracts, D. Sudholt, Ed. Madrid, Spain: ACM, 11-15 July 2015, pp. 743–744.
- [13] M. Ayodele, J. McCall, and O. Regnier-Coudert, "Probabilistic model enhanced genetic algorithm for multi-mode resource constrained project scheduling problem," in GECCO 2015 Late-Breaking Abstracts, D. Sudholt, Ed. Madrid, Spain: ACM, 11-15 July 2015, pp. 745–746.
- [14] L. Bajer, Z. Pitra, and M. Holena, "Benchmarking gaussian processes and random forests surrogate models on the bbob noiseless testbed," in *Black Box Optimization Benchmarking (BBOB 2015) Workshop*, Y. Akimoto, A. Auger, D. Brockhoff, N. Hansen, O. Mersmann, and P. Posik, Eds. Madrid, Spain: ACM, 11-15 July 2015, pp. 1143-1150.
- [15] —, "Investigation of gaussian processes and random forests as surrogate models for evolutionary black-box optimization," in GECCO Companion '15: Proceedings of the Companion Publication of the 2015 on Genetic and Evolutionary Computation Conference, S. Silva, A. I. Esparcia-Alcazar, M. Lopez-Ibanez, S. Mostaghim, J. Timmis, C. Zarges, L. Correia, T. Soule, M. Giacobini, R. Urbanowicz, Y. Akimoto, T. Glasmachers, F. Fernandez de Vega, A. Hoover, P. Larranaga, M. Soto, C. Cotta, F. B. Pereira, J. Handl, J. Koutnik, A. Gaspar-Cunha, H. Trautmann, J.-B. Mouret, S. Risi, E. Costa, O. Schuetze, K. Krawiec, A. Moraglio, J. F. Miller, P. Widera, S. Cagnoni, J. Merelo, E. Hart, L. Trujillo, M. Keswsentini, G. Ochoa, F. Chicano, and C. Doerr, Eds. Madrid, Spain: ACM, 11-15 July 2015, pp. 1351–1352.
- [16] A. Baldominos, Y. Saez, and P. Isasi, "Feature set optimization for physical activity recognition using genetic algorithms," in GECCO 2015 Medical Applications of Genetic and Evolutionary Computation (MedGEC'15) Workshop, S. L. Smith, S. Cagnoni, and R. M. Patton, Eds. Madrid, Spain: ACM, 11-15 July 2015, pp. 1311–1318.
- [17] Z. Bankovic and P. Lopez-Garcia, "Energy efficient allocation and scheduling for dvfs-enabled multicore environments using a multiobjective evolutionary algorithm," in GECCO Companion '15: Proceedings of the Companion Publication of the 2015 on Genetic and Evolutionary Computation Conference, S. Silva, A. I. Esparcia-Alcazar, M. Lopez-Ibanez, S. Mostaghim, J. Timmis, C. Zarges, L. Correia, T. Soule, M. Giacobini, R. Urbanowicz, Y. Akimoto, T. Glasmachers, F. Fernandez de Vega, A. Hoover, P. Larranaga, M. Soto, C. Cotta, F. B. Pereira, J. Handl, J. Koutnik, A. Gaspar-Cunha, H. Trautmann, J.-B. Mouret, S. Risi, E. Costa, O. Schuetze, K. Krawiec, A. Moraglio, J. F. Miller, P. Widera, S. Cagnoni, J. Merelo, E. Hart, L. Trujillo, M. Keswsentini, G. Ochoa, F. Chicano, and C. Doerr, Eds. Madrid, Spain: ACM, 11-15 July 2015, pp. 1353-1354.
- [18] A. Benbassat and A. Henik, "Examining the stroop effect using a developmental spatial neuroevolution system," in GECCO 2015 Late-Breaking Abstracts, D. Sudholt, Ed. Madrid, Spain: ACM, 11-15 July 2015, pp. 747–748.
- [19] B. Berger, A. Andino, A. Danise, and J. Rieffel, "Growing and evolving vibrationally actuated soft robots," in GECCO'15 Student Workshop, T. Tusar and B. Naujoks, Eds. Madrid, Spain: ACM, 11-15 July 2015, pp. 1221–1224.
- [20] A. Bernatskiy and J. C. Bongard, "Exploiting the relationship between structural modularity and sparsity for faster network evolution," in GECCO'15 Student Workshop, T. Tusar and B. Naujoks, Eds. Madrid, Spain: ACM, 11-15 July 2015, pp. 1173-1176.

- [21] A. Berny, "Herding evolutionary algorithm," in GECCO Companion '15: Proceedings of the Companion Publication of the 2015 on Genetic and Evolutionary Computation Conference, S. Silva, A. I. Esparcia-Alcazar, M. Lopez-Ibanez, S. Mostaghim, J. Timmis, C. Zarges, L. Correia, T. Soule, M. Giacobini, R. Urbanowicz, Y. Akimoto, T. Glasmachers, F. Fernandez de Vega, A. Hoover, P. Larranaga, M. Soto, C. Cotta, F. B. Pereira, J. Handl, J. Koutnik, A. Gaspar-Cunha, H. Trautmann, J.-B. Mouret, S. Risi, E. Costa, O. Schuetze, K. Krawiec, A. Moraglio, J. F. Miller, P. Widera, S. Cagnoni, J. Merelo, E. Hart, L. Trujillo, M. Keswsentini, G. Ochoa, F. Chicano, and C. Doerr, Eds. Madrid, Spain: ACM, 11-15 July 2015, pp. 1355–1356.
- [22] J. bin Wang, W.-N. Chen, J. Zhang, and Y. Lin, "A dimension-decreasing particle swarm optimization method for portfolio optimization," in GECCO Companion '15: Proceedings of the Companion Publication of the 2015 on Genetic and Evolutionary Computation Conference, S. Silva, A. I. Esparcia-Alcazar, M. Lopez-Ibanez, S. Mostaghim, J. Timmis, C. Zarges, L. Correia, T. Soule, M. Giacobini, R. Urbanowicz, Y. Akimoto, T. Glasmachers, F. Fernandez de Vega, A. Hoover, P. Larranaga, M. Soto, C. Cotta, F. B. Pereira, J. Handl, J. Koutnik, A. Gaspar-Cunha, H. Trautmann, J.-B. Mouret, S. Risi, E. Costa, O. Schuetze, K. Krawiec, A. Moraglio, J. F. Miller, P. Widera, S. Cagnoni, J. Merelo, E. Hart, L. Trujillo, M. Keswsentini, G. Ochoa, F. Chicano, and C. Doerr, Eds. Madrid, Spain: ACM, 11-15 July 2015, pp. 1515-1516.
- [23] M. Bokhari and M. Wagner, "Improving test coverage of formal verification systems via beam search," in GECCO Companion '15: Proceedings of the Companion Publication of the 2015 on Genetic and Evolutionary Computation Conference, S. Silva, A. I. Esparcia-Alcazar, M. Lopez-Ibanez, S. Mostaghim, J. Timmis, C. Zarges, L. Correia, T. Soule, M. Giacobini, R. Urbanowicz, Y. Akimoto, T. Glasmachers, F. Fernandez de Vega, A. Hoover, P. Larranaga, M. Soto, C. Cotta, F. B. Pereira, J. Handl, J. Koutnik, A. Gaspar-Cunha, H. Trautmann, J.-B. Mouret, S. Risi, E. Costa, O. Schuetze, K. Krawiec, A. Moraglio, J. F. Miller, P. Widera, S. Cagnoni, J. Merelo, E. Hart, L. Trujillo, M. Keswsentini, G. Ochoa, F. Chicano, and C. Doerr, Eds. Madrid, Spain: ACM, 11-15 July 2015, pp. 1357–1358.
- [24] M. Boussaa, O. Barais, G. Sunye, and B. Baudry, "A novelty search-based test data generator for object-oriented programs," in GECCO Companion '15: Proceedings of the Companion Publication of the 2015 on Genetic and Evolutionary Computation Conference, S. Silva, A. I. Esparcia-Alcazar, M. Lopez-Ibanez, S. Mostaghim, J. Timmis, C. Zarges, L. Correia, T. Soule, M. Giacobini, R. Urbanowicz, Y. Akimoto, T. Glasmachers, F. Fernandez de Vega, A. Hoover, P. Larranaga, M. Soto, C. Cotta, F. B. Pereira, J. Handl, J. Koutnik, A. Gaspar-Cunha, H. Trautmann, J.-B. Mouret, S. Risi, E. Costa, O. Schuetze, K. Krawiec, A. Moraglio, J. F. Miller, P. Widera, S. Cagnoni, J. Merelo, E. Hart, L. Trujillo, M. Keswsentini, G. Ochoa, F. Chicano, and C. Doerr, Eds. Madrid, Spain: ACM, 11-15 July 2015, pp. 1359–1360.
- [25] C. Bozdogan, Y. Gokcen, and I. Zincir, "A preliminary investigation on the identification of peer to peer network applications," in SecDef'2015 - Workshop on genetic and evolutionary computation in defense, security and risk management, F. W. Moore and N. Zincir-Heywood, Eds. Madrid, Spain: ACM, 11-15 July 2015, pp. 883–888.
- [26] N. Bredeche, S. Doncieux, and J.-B. Mouret, "Tutorial on evolutionary robotics," in GECCO 2015 Introductory Tutorials, A. Simoes, Ed. Madrid, Spain: ACM, 11-15 July 2015, pp. 231–261.
- [27] N. Bredeche, E. Haasdijk, and A. Prieto, "Elements of embodied evolutionary robotics," in GECCO 2015 Evolving Collective Behaviors in Robotics (ECBR'15) Workshop, A. Prieto, N. Bredeche, and E. Haasdijk, Eds. Madrid, Spain: ACM, 11-15 July 2015, pp. 1247-1247.
- [28] C. Brizuela, R. I. Corona, C. Lezcano, D. Rodriguez, and J. D. Colbes, "An experimental analysis of the performance of sidechain packing algorithms," in *GECCO 2015 Workshop on Evolutionary Computation in Computational Structural Biology*, J. Santos, J. Handl, and A. Shehu, Eds. Madrid, Spain: ACM, 11-15 July 2015, pp. 929–933.
- [29] D. Brockhoff, B. Bischl, and T. Wagner, "The impact of initial designs on the performance of matsumoto on the noiseless bbob-2015 testbed: A preliminary study," in *Black Box Optimization Benchmarking (BBOB 2015) Workshop*, Y. Akimoto, A. Auger, D. Brockhoff, N. Hansen, O. Mersmann, and P. Posik, Eds. Madrid, Spain: ACM, 11-15 July 2015, pp. 1159–1166.

- [30] D. Brockhoff and T. Wagner, "Tutorial on evolutionary multiobjective optimization," in *GECCO* 2015 Introductory Tutorials, A. Simoes, Ed. Madrid, Spain: ACM, 11-15 July 2015, pp. 37–63.
- [31] J. Brookhouse and F. E. Otero, "Discovering regression rules with ant colony optimization," in GECCO 2015 Evolutionary Rule-based Machine Learning (formerly the International Workshop on Learning Classifier Systems), K. Kuber, M. Nakata, and K. Shafi, Eds. Madrid, Spain: ACM, 11-15 July 2015, pp. 1005-1012.
- [32] A. E. Brownlee, J. R. Woodward, and J. Swan, "Metaheuristic design pattern: Surrogate fitness functions," in GECCO 2015 2nd Workshop on Metaheuristic Design Patterns (MetaDeeP'15),
 C. Simons, J. Swan, K. Krawiec, D. Tauritz, and J. Smith, Eds. Madrid, Spain: ACM, 11-15 July 2015, pp. 1261–1264.
- [33] B. R. Bruce, "Energy optimisation via genetic improvement: A sbse technique for a new era in software development," in *Genetic Improvement 2015 Workshop*, W. B. Langdon, D. R. White, and J. Petke, Eds. Madrid, Spain: ACM, 11-15 July 2015, pp. 819–820.
- [34] N. Burles, J. Swan, E. Bowles, A. E. Brownlee, Z. A. Kocsis, and N. Veerapen, "Embedded dynamic improvement," in *Genetic Improvement 2015 Workshop*, W. B. Langdon, D. R. White, and J. Petke, Eds. Madrid, Spain: ACM, 11-15 July 2015, pp. 831–832.
- [35] M. Buzdalov and V. Parfenov, "Various degrees of steadiness in nsga-ii and their influence on the quality of results," in GECCO 2015 Late-Breaking Abstracts, D. Sudholt, Ed. Madrid, Spain: ACM, 11-15 July 2015, pp. 749-750.
- [36] A. Buzdalova, A. Matveeva, and G. Korneev, "Selection of auxiliary objectives with multi-objective reinforcement learning," in *GECCO'15 Student Workshop*, T. Tusar and B. Naujoks, Eds. Madrid, Spain: ACM, 11-15 July 2015, pp. 1177–1180.
- [37] F. Cabassi and M. Locatelli, "A computational comparison of memetic differential evolution approaches," in GECCO'15 Student Workshop, T. Tusar and B. Naujoks, Eds. Madrid, Spain: ACM, 11-15 July 2015, pp. 1181–1184.
- [38] R. Cantoro, M. Gaudesi, E. Sanchez, and G. Squillero, "Exploiting evolutionary computation in an industrial flow for the development of code-optimized microprocessor test programs," in GECCO Companion '15: Proceedings of the Companion Publication of the 2015 on Genetic and Evolutionary Computation Conference, S. Silva, A. I. Esparcia-Alcazar, M. Lopez-Ibanez, S. Mostaghim, J. Timmis, C. Zarges, L. Correia, T. Soule, M. Giacobini, R. Urbanowicz, Y. Akimoto, T. Glasmachers, F. Fernandez de Vega, A. Hoover, P. Larranaga, M. Soto, C. Cotta, F. B. Pereira, J. Handl, J. Koutnik, A. Gaspar-Cunha, H. Trautmann, J.-B. Mouret, S. Risi, E. Costa, O. Schuetze, K. Krawiec, A. Moraglio, J. F. Miller, P. Widera, S. Cagnoni, J. Merelo, E. Hart, L. Trujillo, M. Keswsentini, G. Ochoa, F. Chicano, and C. Doerr, Eds. Madrid, Spain: ACM, 11-15 July 2015, pp. 1465–1466.
- [39] M. Cardenas-Montes, M. A. Vega-Rodriguez, J. J. Rodriguez-Vazquez, and A. Gomez-Iglesias, "A comparison exercise on parallel evaluation of rosenbrock function," in GECCO Companion '15: Proceedings of the Companion Publication of the 2015 on Genetic and Evolutionary Computation Conference, S. Silva, A. I. Esparcia-Alcazar, M. Lopez-Ibanez, S. Mostaghim, J. Timmis, C. Zarges, L. Correia, T. Soule, M. Giacobini, R. Urbanowicz, Y. Akimoto, T. Glasmachers, F. Fernandez de Vega, A. Hoover, P. Larranaga, M. Soto, C. Cotta, F. B. Pereira, J. Handl, J. Koutnik, A. Gaspar-Cunha, H. Trautmann, J.-B. Mouret, S. Risi, E. Costa, O. Schuetze, K. Krawiec, A. Moraglio, J. F. Miller, P. Widera, S. Cagnoni, J. Merelo, E. Hart, L. Trujillo, M. Keswsentini, G. Ochoa, F. Chicano, and C. Doerr, Eds. Madrid, Spain: ACM, 11-15 July 2015, pp. 1361–1362.
- [40] A. Chaabani, S. Bechikh, L. Ben Said, and R. Azzouz, "An improved co-evolutionary decomposition-based algorithm for bi-level combinatorial optimization," in GECCO Companion '15: Proceedings of the Companion Publication of the 2015 on Genetic and Evolutionary Computation Conference, S. Silva, A. I. Esparcia-Alcazar, M. Lopez-Ibanez, S. Mostaghim, J. Timmis, C. Zarges, L. Correia, T. Soule, M. Giacobini, R. Urbanowicz, Y. Akimoto,

- T. Glasmachers, F. Fernandez de Vega, A. Hoover, P. Larranaga, M. Soto, C. Cotta, F. B. Pereira, J. Handl, J. Koutnik, A. Gaspar-Cunha, H. Trautmann, J.-B. Mouret, S. Risi, E. Costa, O. Schuetze, K. Krawiec, A. Moraglio, J. F. Miller, P. Widera, S. Cagnoni, J. Merelo, E. Hart, L. Trujillo, M. Keswsentini, G. Ochoa, F. Chicano, and C. Doerr, Eds. Madrid, Spain: ACM, 11-15 July 2015, pp. 1363–1364.
- [41] T. Chabin, A. Tonda, and E. Lutton, "Is global sensitivity analysis useful to evolutionary computation?" in GECCO Companion '15: Proceedings of the Companion Publication of the 2015 on Genetic and Evolutionary Computation Conference, S. Silva, A. I. Esparcia-Alcazar, M. Lopez-Ibanez, S. Mostaghim, J. Timmis, C. Zarges, L. Correia, T. Soule, M. Giacobini, R. Urbanowicz, Y. Akimoto, T. Glasmachers, F. Fernandez de Vega, A. Hoover, P. Larranaga, M. Soto, C. Cotta, F. B. Pereira, J. Handl, J. Koutnik, A. Gaspar-Cunha, H. Trautmann, J.-B. Mouret, S. Risi, E. Costa, O. Schuetze, K. Krawiec, A. Moraglio, J. F. Miller, P. Widera, S. Cagnoni, J. Merelo, E. Hart, L. Trujillo, M. Keswsentini, G. Ochoa, F. Chicano, and C. Doerr, Eds. Madrid, Spain: ACM, 11-15 July 2015, pp. 1365-1366.
- [42] O. Chebbi and J. Chaouachi, "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," in GECCO 2015 Late-Breaking Abstracts, D. Sudholt, Ed. Madrid, Spain: ACM, 11-15 July 2015, pp. 751-752.
- [43] L.-Y. Chen, P.-M. Lee, and T.-C. Hsiao, "Dynamically adding sensors to the xcs in multistep problems: A sensor tagging approach," in GECCO Companion '15: Proceedings of the Companion Publication of the 2015 on Genetic and Evolutionary Computation Conference, S. Silva, A. I. Esparcia-Alcazar, M. Lopez-Ibanez, S. Mostaghim, J. Timmis, C. Zarges, L. Correia, T. Soule, M. Giacobini, R. Urbanowicz, Y. Akimoto, T. Glasmachers, F. Fernandez de Vega, A. Hoover, P. Larranaga, M. Soto, C. Cotta, F. B. Pereira, J. Handl, J. Koutnik, A. Gaspar-Cunha, H. Trautmann, J.-B. Mouret, S. Risi, E. Costa, O. Schuetze, K. Krawiec, A. Moraglio, J. F. Miller, P. Widera, S. Cagnoni, J. Merelo, E. Hart, L. Trujillo, M. Keswsentini, G. Ochoa, F. Chicano, and C. Doerr, Eds. Madrid, Spain: ACM, 11-15 July 2015, pp. 1367-1368.
- [44] —, "A novel representation of classifier conditions named sensory tag for the xcs in multistep problems," in GECCO 2015 Evolutionary Rule-based Machine Learning (formerly the International Workshop on Learning Classifier Systems), K. Kuber, M. Nakata, and K. Shafi, Eds. Madrid, Spain: ACM, 11-15 July 2015, pp. 973–980.
- [45] G. Chennupati, R. M. A. Azad, and C. Ryan, "On the automatic generation of efficient parallel iterative sorting algorithms," in GECCO Companion '15: Proceedings of the Companion Publication of the 2015 on Genetic and Evolutionary Computation Conference, S. Silva, A. I. Esparcia-Alcazar, M. Lopez-Ibanez, S. Mostaghim, J. Timmis, C. Zarges, L. Correia, T. Soule, M. Giacobini, R. Urbanowicz, Y. Akimoto, T. Glasmachers, F. Fernandez de Vega, A. Hoover, P. Larranaga, M. Soto, C. Cotta, F. B. Pereira, J. Handl, J. Koutnik, A. Gaspar-Cunha, H. Trautmann, J.-B. Mouret, S. Risi, E. Costa, O. Schuetze, K. Krawiec, A. Moraglio, J. F. Miller, P. Widera, S. Cagnoni, J. Merelo, E. Hart, L. Trujillo, M. Keswsentini, G. Ochoa, F. Chicano, and C. Doerr, Eds. Madrid, Spain: ACM, 11-15 July 2015, pp. 1369-1370.
- [46] —, "Synthesis of parallel iterative sorts with multi-core grammatical evolution," in *GECCO* 2015 5th Workshop on Evolutionary Computation for the Automated Design of Algorithms (ECADA'15), J. Woodward, D. Tauritz, and M. Lopez-Ibanez, Eds. Madrid, Spain: ACM, 11-15 July 2015, pp. 1059–1066.
- [47] D. Chivilikhin, I. Ivanov, and A. Shalyto, "Inferring temporal properties of finite-state machine models with genetic programming," in *GECCO'15 Student Workshop*, T. Tusar and B. Naujoks, Eds. Madrid, Spain: ACM, 11-15 July 2015, pp. 1185–1188.
- [48] J. Christmas, "Genetic c programming with probabilistic evaluation," in GECCO Companion '15: Proceedings of the Companion Publication of the 2015 on Genetic and Evolutionary Computation Conference, S. Silva, A. I. Esparcia-Alcazar, M. Lopez-Ibanez, S. Mostaghim, J. Timmis, C. Zarges, L. Correia, T. Soule, M. Giacobini, R. Urbanowicz, Y. Akimoto, T. Glasmachers,

- F. Fernandez de Vega, A. Hoover, P. Larranaga, M. Soto, C. Cotta, F. B. Pereira, J. Handl, J. Koutnik, A. Gaspar-Cunha, H. Trautmann, J.-B. Mouret, S. Risi, E. Costa, O. Schuetze, K. Krawiec, A. Moraglio, J. F. Miller, P. Widera, S. Cagnoni, J. Merelo, E. Hart, L. Trujillo, M. Keswsentini, G. Ochoa, F. Chicano, and C. Doerr, Eds. Madrid, Spain: ACM, 11-15 July 2015, pp. 1371–1372.
- [49] B. Cody-Kenny, E. Galvan-Lopez, and S. Barrett, "locogp: Improving performance by genetic programming java source code," in *Genetic Improvement 2015 Workshop*, W. B. Langdon, D. R. White, and J. Petke, Eds. Madrid, Spain: ACM, 11-15 July 2015, pp. 811–818.
- [50] C. A. Coello Coello, "Constraint-handling techniques used with evolutionary algorithms," in GECCO 2015 Advanced Tutorials, A. Simoes, Ed. Madrid, Spain: ACM, 11-15 July 2015, pp. 367–389.
- [51] A. Cruz, P. Machado, F. Assuncao, and A. Leitao, "Elicit: Evolutionary computation visualization," in 6th Workshop on Visualisation Methods in Genetic and Evolutionary Computation (VizGEC 2015), D. Walker, R. Everson, and J. Fieldsend, Eds. Madrid, Spain: ACM, 11-15 July 2015, pp. 949–956.
- [52] S. Cussat-Blanc and W. Banzhaf, "Introduction to gene regulatory networks," in GECCO 2015 Advanced Tutorials, A. Simoes, Ed. Madrid, Spain: ACM, 11-15 July 2015, pp. 589–601.
- [53] J.-M. Cutillas-Lozano, M.-A. Franco, and D. Gimenez, "Comparing variable width backtracking and metaheuristics, experiments with the maximum diversity problem," in GECCO 2015 Late-Breaking Abstracts, D. Sudholt, Ed. Madrid, Spain: ACM, 11-15 July 2015, pp. 753-754.
- [54] J. J. Davila, "An empirical comparison of genetically evolved programs and evolved neural networks for multi-agent systems operating under dynamic environments," in GECCO Companion '15: Proceedings of the Companion Publication of the 2015 on Genetic and Evolutionary Computation Conference, S. Silva, A. I. Esparcia-Alcazar, M. Lopez-Ibanez, S. Mostaghim, J. Timmis, C. Zarges, L. Correia, T. Soule, M. Giacobini, R. Urbanowicz, Y. Akimoto, T. Glasmachers, F. Fernandez de Vega, A. Hoover, P. Larranaga, M. Soto, C. Cotta, F. B. Pereira, J. Handl, J. Koutnik, A. Gaspar-Cunha, H. Trautmann, J.-B. Mouret, S. Risi, E. Costa, O. Schuetze, K. Krawiec, A. Moraglio, J. F. Miller, P. Widera, S. Cagnoni, J. Merelo, E. Hart, L. Trujillo, M. Keswsentini, G. Ochoa, F. Chicano, and C. Doerr, Eds. Madrid, Spain: ACM, 11-15 July 2015, pp. 1373-1374.
- [55] R. de Bokx, D. Thierens, and P. A. Bosman, "In search of optimal linkage trees," in GECCO Companion '15: Proceedings of the Companion Publication of the 2015 on Genetic and Evolutionary Computation Conference, S. Silva, A. I. Esparcia-Alcazar, M. Lopez-Ibanez, S. Mostaghim, J. Timmis, C. Zarges, L. Correia, T. Soule, M. Giacobini, R. Urbanowicz, Y. Akimoto, T. Glasmachers, F. Fernandez de Vega, A. Hoover, P. Larranaga, M. Soto, C. Cotta, F. B. Pereira, J. Handl, J. Koutnik, A. Gaspar-Cunha, H. Trautmann, J.-B. Mouret, S. Risi, E. Costa, O. Schuetze, K. Krawiec, A. Moraglio, J. F. Miller, P. Widera, S. Cagnoni, J. Merelo, E. Hart, L. Trujillo, M. Keswsentini, G. Ochoa, F. Chicano, and C. Doerr, Eds. Madrid, Spain: ACM, 11-15 July 2015, pp. 1375–1376.
- [56] K. A. De Jong, "Evolutionary computation: A unified approach," in GECCO 2015 Introductory Tutorials, A. Simoes, Ed. Madrid, Spain: ACM, 11-15 July 2015, pp. 21–35.
- [57] P. de las Cuevas Delgado, J. J. Merelo, and P. Garcia Sanchez, "Soft computing techniques applied to corporate and personal security," in GECCO'15 Student Workshop, T. Tusar and B. Naujoks, Eds. Madrid, Spain: ACM, 11-15 July 2015, pp. 1193-1196.
- [58] J. Decock, J. Liu, and O. Tetaud, "Variance reduction in population-based optimization: Application to unit commitment," in GECCO Companion '15: Proceedings of the Companion Publication of the 2015 on Genetic and Evolutionary Computation Conference, S. Silva, A. I. Esparcia-Alcazar, M. Lopez-Ibanez, S. Mostaghim, J. Timmis, C. Zarges, L. Correia, T. Soule, M. Giacobini, R. Urbanowicz, Y. Akimoto, T. Glasmachers, F. Fernandez de Vega, A. Hoover, P. Larranaga, M. Soto, C. Cotta, F. B. Pereira, J. Handl, J. Koutnik, A. Gaspar-Cunha,

- H. Trautmann, J.-B. Mouret, S. Risi, E. Costa, O. Schuetze, K. Krawiec, A. Moraglio, J. F. Miller, P. Widera, S. Cagnoni, J. Merelo, E. Hart, L. Trujillo, M. Keswsentini, G. Ochoa, F. Chicano, and C. Doerr, Eds. Madrid, Spain: ACM, 11-15 July 2015, pp. 1377–1378.
- [59] T. Decroos, P. De Causmaecker, and B. Demoen, "Solving euclidean steiner tree problems with multi swarm optimization," in GECCO Companion '15: Proceedings of the Companion Publication of the 2015 on Genetic and Evolutionary Computation Conference, S. Silva, A. I. Esparcia-Alcazar, M. Lopez-Ibanez, S. Mostaghim, J. Timmis, C. Zarges, L. Correia, T. Soule, M. Giacobini, R. Urbanowicz, Y. Akimoto, T. Glasmachers, F. Fernandez de Vega, A. Hoover, P. Larranaga, M. Soto, C. Cotta, F. B. Pereira, J. Handl, J. Koutnik, A. Gaspar-Cunha, H. Trautmann, J.-B. Mouret, S. Risi, E. Costa, O. Schuetze, K. Krawiec, A. Moraglio, J. F. Miller, P. Widera, S. Cagnoni, J. Merelo, E. Hart, L. Trujillo, M. Keswsentini, G. Ochoa, F. Chicano, and C. Doerr, Eds. Madrid, Spain: ACM, 11-15 July 2015, pp. 1379–1380.
- [60] H. Degroote and P. De Causmaecker, "Towards a knowledge base for performance data: A formal model for performance comparison," in *GECCO'15 Student Workshop*, T. Tusar and B. Naujoks, Eds. Madrid, Spain: ACM, 11-15 July 2015, pp. 1189–1192.
- [61] T. DeVautl, S. Forrest, I. Tanimoto, T. Soule, and R. Heckendorn, "Learning from demonstration for distributed, encapsulated evolution of autonomous outdoor robots," in GECCO Companion '15: Proceedings of the Companion Publication of the 2015 on Genetic and Evolutionary Computation Conference, S. Silva, A. I. Esparcia-Alcazar, M. Lopez-Ibanez, S. Mostaghim, J. Timmis, C. Zarges, L. Correia, T. Soule, M. Giacobini, R. Urbanowicz, Y. Akimoto, T. Glasmachers, F. Fernandez de Vega, A. Hoover, P. Larranaga, M. Soto, C. Cotta, F. B. Pereira, J. Handl, J. Koutnik, A. Gaspar-Cunha, H. Trautmann, J.-B. Mouret, S. Risi, E. Costa, O. Schuetze, K. Krawiec, A. Moraglio, J. F. Miller, P. Widera, S. Cagnoni, J. Merelo, E. Hart, L. Trujillo, M. Keswsentini, G. Ochoa, F. Chicano, and C. Doerr, Eds. Madrid, Spain: ACM, 11-15 July 2015, pp. 1381–1382.
- [62] J. Diaz Alvarez, J. M. Colmenar, J. L. Risco-Martin, J. Lanchares, and O. Garnica, "Optimizing performance of l1 cache memory for embedded systems driven by differential evolution," in GECCO Companion '15: Proceedings of the Companion Publication of the 2015 on Genetic and Evolutionary Computation Conference, S. Silva, A. I. Esparcia-Alcazar, M. Lopez-Ibanez, S. Mostaghim, J. Timmis, C. Zarges, L. Correia, T. Soule, M. Giacobini, R. Urbanowicz, Y. Akimoto, T. Glasmachers, F. Fernandez de Vega, A. Hoover, P. Larranaga, M. Soto, C. Cotta, F. B. Pereira, J. Handl, J. Koutnik, A. Gaspar-Cunha, H. Trautmann, J.-B. Mouret, S. Risi, E. Costa, O. Schuetze, K. Krawiec, A. Moraglio, J. F. Miller, P. Widera, S. Cagnoni, J. Merelo, E. Hart, L. Trujillo, M. Keswsentini, G. Ochoa, F. Chicano, and C. Doerr, Eds. Madrid, Spain: ACM, 11-15 July 2015, pp. 1383–1384.
- [63] V. Dorfer, S. Maltsev, S. Dreiseitl, K. Mechtler, and S. M. Winkler, "A symbolic regression based scoring system improving peptide identifications for ms amanda," in GECCO 2015 Medical Applications of Genetic and Evolutionary Computation (MedGEC'15) Workshop, S. L. Smith, S. Cagnoni, and R. M. Patton, Eds. Madrid, Spain: ACM, 11-15 July 2015, pp. 1335–1341.
- [64] M. M. Drugan, "Synergies between evolutionary algorithms and reinforcement learning," in GECCO 2015 Specialized Tutorials, A. Simoes, Ed. Madrid, Spain: ACM, 11-15 July 2015, pp. 723-740.
- [65] X. Du, Y. Ni, and P. Ye, "A multi-objective evolutionary algorithm for rule-based performance optimization at software architecture level," in GECCO Companion '15: Proceedings of the Companion Publication of the 2015 on Genetic and Evolutionary Computation Conference, S. Silva, A. I. Esparcia-Alcazar, M. Lopez-Ibanez, S. Mostaghim, J. Timmis, C. Zarges, L. Correia, T. Soule, M. Giacobini, R. Urbanowicz, Y. Akimoto, T. Glasmachers, F. Fernandez de Vega, A. Hoover, P. Larranaga, M. Soto, C. Cotta, F. B. Pereira, J. Handl, J. Koutnik, A. Gaspar-Cunha, H. Trautmann, J.-B. Mouret, S. Risi, E. Costa, O. Schuetze, K. Krawiec, A. Moraglio, J. F. Miller, P. Widera, S. Cagnoni, J. Merelo, E. Hart, L. Trujillo, M. Keswsentini, G. Ochoa, F. Chicano, and C. Doerr, Eds. Madrid, Spain: ACM, 11-15 July 2015, pp. 1385–1386.

- [66] A. Engelbrecht, "Particle swarm optimization," in GECCO 2015 Introductory Tutorials, A. Simoes, Ed. Madrid, Spain: ACM, 11-15 July 2015, pp. 65-91.
- [67] E. Fatnassi and J. Chaouachi, "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," in GECCO 2015 Late-Breaking Abstracts, D. Sudholt, Ed. Madrid, Spain: ACM, 11-15 July 2015, pp. 755-756.
- [68] S. Fernandez, S. Alvarez, E. Malatsetxebarria, P. Valledor, and D. Diaz, "Performance comparison of ant colony algorithms for the scheduling of steel production lines," in GECCO Companion '15: Proceedings of the Companion Publication of the 2015 on Genetic and Evolutionary Computation Conference, S. Silva, A. I. Esparcia-Alcazar, M. Lopez-Ibanez, S. Mostaghim, J. Timmis, C. Zarges, L. Correia, T. Soule, M. Giacobini, R. Urbanowicz, Y. Akimoto, T. Glasmachers, F. Fernandez de Vega, A. Hoover, P. Larranaga, M. Soto, C. Cotta, F. B. Pereira, J. Handl, J. Koutnik, A. Gaspar-Cunha, H. Trautmann, J.-B. Mouret, S. Risi, E. Costa, O. Schuetze, K. Krawiec, A. Moraglio, J. F. Miller, P. Widera, S. Cagnoni, J. Merelo, E. Hart, L. Trujillo, M. Keswsentini, G. Ochoa, F. Chicano, and C. Doerr, Eds. Madrid, Spain: ACM, 11-15 July 2015, pp. 1387–1388.
- [69] R. Ffrancon and M. Schoenauer, "Greedy semantic local search for small solutions," in GECCO 2015 Semantic Methods in Genetic Programming (SMGP'15) Workshop, C. Johnson, K. Krawiec, A. Moraglio, and M. O'Neill, Eds. Madrid, Spain: ACM, 11-15 July 2015, pp. 1293–1300.
- [70] P. Filipiak, K. Michalak, and P. Lipinski, "Infeasibility driven evolutionary algorithm with the anticipation mechanism for the reaching goal in dynamic constrained inverse kinematics," in GECCO Companion '15: Proceedings of the Companion Publication of the 2015 on Genetic and Evolutionary Computation Conference, S. Silva, A. I. Esparcia-Alcazar, M. Lopez-Ibanez, S. Mostaghim, J. Timmis, C. Zarges, L. Correia, T. Soule, M. Giacobini, R. Urbanowicz, Y. Akimoto, T. Glasmachers, F. Fernandez de Vega, A. Hoover, P. Larranaga, M. Soto, C. Cotta, F. B. Pereira, J. Handl, J. Koutnik, A. Gaspar-Cunha, H. Trautmann, J.-B. Mouret, S. Risi, E. Costa, O. Schuetze, K. Krawiec, A. Moraglio, J. F. Miller, P. Widera, S. Cagnoni, J. Merelo, E. Hart, L. Trujillo, M. Keswsentini, G. Ochoa, F. Chicano, and C. Doerr, Eds. Madrid, Spain: ACM, 11-15 July 2015, pp. 1389–1390.
- [71] S. Forstenlechner, M. Nicolau, D. Fagan, and M. O'Neill, "Introducing semantic-clustering selection in grammatical evolution," in GECCO 2015 Semantic Methods in Genetic Programming (SMGP'15) Workshop, C. Johnson, K. Krawiec, A. Moraglio, and M. O'Neill, Eds. Madrid, Spain: ACM, 11-15 July 2015, pp. 1277–1284.
- [72] J. S. Freitas, C. Garrozi, and M. Valenca, "Insertion of artificial individuals to increase the diversity of multiobjective evolutionary algorithms," in GECCO Companion '15: Proceedings of the Companion Publication of the 2015 on Genetic and Evolutionary Computation Conference, S. Silva, A. I. Esparcia-Alcazar, M. Lopez-Ibanez, S. Mostaghim, J. Timmis, C. Zarges, L. Correia, T. Soule, M. Giacobini, R. Urbanowicz, Y. Akimoto, T. Glasmachers, F. Fernandez de Vega, A. Hoover, P. Larranaga, M. Soto, C. Cotta, F. B. Pereira, J. Handl, J. Koutnik, A. Gaspar-Cunha, H. Trautmann, J.-B. Mouret, S. Risi, E. Costa, O. Schuetze, K. Krawiec, A. Moraglio, J. F. Miller, P. Widera, S. Cagnoni, J. Merelo, E. Hart, L. Trujillo, M. Keswsentini, G. Ochoa, F. Chicano, and C. Doerr, Eds. Madrid, Spain: ACM, 11-15 July 2015, pp. 1391–1392.
- [73] A. Gabler, M. Colby, and K. Tumer, "Learning based control of a fuel cell turbine hybrid power system," in GECCO Companion '15: Proceedings of the Companion Publication of the 2015 on Genetic and Evolutionary Computation Conference, S. Silva, A. I. Esparcia-Alcazar, M. Lopez-Ibanez, S. Mostaghim, J. Timmis, C. Zarges, L. Correia, T. Soule, M. Giacobini, R. Urbanowicz, Y. Akimoto, T. Glasmachers, F. Fernandez de Vega, A. Hoover, P. Larranaga, M. Soto, C. Cotta, F. B. Pereira, J. Handl, J. Koutnik, A. Gaspar-Cunha, H. Trautmann, J.-B. Mouret, S. Risi, E. Costa, O. Schuetze, K. Krawiec, A. Moraglio, J. F. Miller, P. Widera, S. Cagnoni, J. Merelo, E. Hart, L. Trujillo, M. Keswsentini, G. Ochoa, F. Chicano, and C. Doerr, Eds. Madrid, Spain: ACM, 11-15 July 2015, pp. 1393-1394.

- [74] A. Gaier, "Evolutionary design via indirect encoding of non-uniform rational basis splines," in GECCO'15 Student Workshop, T. Tusar and B. Naujoks, Eds. Madrid, Spain: ACM, 11-15 July 2015, pp. 1197–1200.
- [75] W. Gao, M. Pourhassan, and F. Neumann, "Runtime analysis of evolutionary diversity optimization and the vertex cover problem," in GECCO Companion '15: Proceedings of the Companion Publication of the 2015 on Genetic and Evolutionary Computation Conference, S. Silva, A. I. Esparcia-Alcazar, M. Lopez-Ibanez, S. Mostaghim, J. Timmis, C. Zarges, L. Correia, T. Soule, M. Giacobini, R. Urbanowicz, Y. Akimoto, T. Glasmachers, F. Fernandez de Vega, A. Hoover, P. Larranaga, M. Soto, C. Cotta, F. B. Pereira, J. Handl, J. Koutnik, A. Gaspar-Cunha, H. Trautmann, J.-B. Mouret, S. Risi, E. Costa, O. Schuetze, K. Krawiec, A. Moraglio, J. F. Miller, P. Widera, S. Cagnoni, J. Merelo, E. Hart, L. Trujillo, M. Keswsentini, G. Ochoa, F. Chicano, and C. Doerr, Eds. Madrid, Spain: ACM, 11-15 July 2015, pp. 1395–1396.
- [76] M. Garza-Fabre, S. M. Kandathil, J. Handl, J. D. Knowles, and S. C. Lovell, "Using machine learning to explore the relevance of local and global features during conformational search in rosetta," in GECCO 2015 Workshop on Evolutionary Computation in Computational Structural Biology, J. Santos, J. Handl, and A. Shehu, Eds. Madrid, Spain: ACM, 11-15 July 2015, pp. 935–938.
- [77] L. P. Garzon-Rodriguez, H. A. Diosa, and S. Rojas-Galeano, "Deconstructing gas into visual software components," in GECCO 2015 Workshop on Evolutionary Computation Software Systems (EvoSoft'15), S. Wagner and M. Affenzeller, Eds. Madrid, Spain: ACM, 11-15 July 2015, pp. 1125–1132.
- [78] M. Gaudesi, A. Marcelli, E. Sanchez, G. Squillero, and A. Tonda, "Malware obfuscation through evolutionary packers," in *GECCO 2015 Late-Breaking Abstracts*, D. Sudholt, Ed. Madrid, Spain: ACM, 11-15 July 2015, pp. 757–758.
- [79] F. Ghassemi Toosi, N. S. Nikolov, and M. Eaton, "Evolving smart initial layouts for force-directed graph drawing," in GECCO Companion '15: Proceedings of the Companion Publication of the 2015 on Genetic and Evolutionary Computation Conference, S. Silva, A. I. Esparcia-Alcazar, M. Lopez-Ibanez, S. Mostaghim, J. Timmis, C. Zarges, L. Correia, T. Soule, M. Giacobini, R. Urbanowicz, Y. Akimoto, T. Glasmachers, F. Fernandez de Vega, A. Hoover, P. Larranaga, M. Soto, C. Cotta, F. B. Pereira, J. Handl, J. Koutnik, A. Gaspar-Cunha, H. Trautmann, J.-B. Mouret, S. Risi, E. Costa, O. Schuetze, K. Krawiec, A. Moraglio, J. F. Miller, P. Widera, S. Cagnoni, J. Merelo, E. Hart, L. Trujillo, M. Keswsentini, G. Ochoa, F. Chicano, and C. Doerr, Eds. Madrid, Spain: ACM, 11-15 July 2015, pp. 1397-1398.
- [80] F. Golemo, M. Markovic, J. Schoormans, P. De Jonge, M. Couwenberg, and E. Haasdijk, "Simulating morphological evolution in large robot populations," in *GECCO 2015 Evolving Collective Behaviors in Robotics (ECBR'15) Workshop*, A. Prieto, N. Bredeche, and E. Haasdijk, Eds. Madrid, Spain: ACM, 11-15 July 2015, pp. 1249–1250.
- [81] J. Gomes, P. Mariano, and A. L. Christensen, "Hyb-ccea: Cooperative coevolution of hybrid teams," in GECCO 2015 Evolving Collective Behaviors in Robotics (ECBR'15) Workshop, A. Prieto, N. Bredeche, and E. Haasdijk, Eds. Madrid, Spain: ACM, 11-15 July 2015, pp. 1251–1252.
- [82] M. Gorji Sefidmazgi, M. Moradi Kordmahalleh, and A. Homaifar, "Identification of switched models in non-stationary time series based on coordinate-descent and genetic algorithm," in GECCO Companion '15: Proceedings of the Companion Publication of the 2015 on Genetic and Evolutionary Computation Conference, S. Silva, A. I. Esparcia-Alcazar, M. Lopez-Ibanez, S. Mostaghim, J. Timmis, C. Zarges, L. Correia, T. Soule, M. Giacobini, R. Urbanowicz, Y. Akimoto, T. Glasmachers, F. Fernandez de Vega, A. Hoover, P. Larranaga, M. Soto, C. Cotta, F. B. Pereira, J. Handl, J. Koutnik, A. Gaspar-Cunha, H. Trautmann, J.-B. Mouret, S. Risi, E. Costa, O. Schuetze, K. Krawiec, A. Moraglio, J. F. Miller, P. Widera, S. Cagnoni, J. Merelo, E. Hart, L. Trujillo, M. Keswsentini, G. Ochoa, F. Chicano, and C. Doerr, Eds. Madrid, Spain: ACM, 11-15 July 2015, pp. 1399–1400.

- [83] K. Graham, J. Swan, and S. Martin, "The 'blackboard pattern' for metaheuristics," in GECCO 2015 2nd Workshop on Metaheuristic Design Patterns (MetaDeeP'15), C. Simons, J. Swan, K. Krawiec, D. Tauritz, and J. Smith, Eds. Madrid, Spain: ACM, 11-15 July 2015, pp. 1265–1267.
- [84] F. Haddadi and A. N. Zincir-Heywood, "Botnet detection system analysis on the effect of botnet evolution and feature representation," in SecDef'2015 - Workshop on genetic and evolutionary computation in defense, security and risk management, F. W. Moore and N. Zincir-Heywood, Eds. Madrid, Spain: ACM, 11-15 July 2015, pp. 893-900.
- [85] H. Hamann, "Evolution of collective behaviors by minimizing surprisal and by micro-macro links," in GECCO 2015 Evolving Collective Behaviors in Robotics (ECBR'15) Workshop, A. Prieto, N. Bredeche, and E. Haasdijk, Eds. Madrid, Spain: ACM, 11-15 July 2015, pp. 1253–1253.
- [86] S. O. Haraldsson and J. R. Woodward, "Genetic improvement of energy usage is only as reliable as the measurements are accurate," in *Genetic Improvement 2015 Workshop*, W. B. Langdon, D. R. White, and J. Petke, Eds. Madrid, Spain: ACM, 11-15 July 2015, pp. 821–822.
- [87] M. Harman and J. Petke, "Gi4gi: Improving genetic improvement fitness functions," in Genetic Improvement 2015 Workshop, W. B. Langdon, D. R. White, and J. Petke, Eds. Madrid, Spain: ACM, 11-15 July 2015, pp. 793–794.
- [88] S. Harris, T. Bueter, and D. R. Tauritz, "A comparison of genetic programming variants for hyperheuristics," in GECCO 2015 5th Workshop on Evolutionary Computation for the Automated Design of Algorithms (ECADA'15), J. Woodward, D. Tauritz, and M. Lopez-Ibanez, Eds. Madrid, Spain: ACM, 11-15 July 2015, pp. 1043-1050.
- [89] T. Hasegawa, K. Tsukada, N. Mori, and K. Matsumoto, "Adaptive evolution control with p-i similarity index for surrogate-assisted evolutionary computation," in GECCO 2015 Late-Breaking Abstracts, D. Sudholt, Ed. Madrid, Spain: ACM, 11-15 July 2015, pp. 759–760.
- [90] J. Heinerman, "Collective sharing of knowledge in a dream," in GECCO 2015 Evolving Collective Behaviors in Robotics (ECBR'15) Workshop, A. Prieto, N. Bredeche, and E. Haasdijk, Eds. Madrid, Spain: ACM, 11-15 July 2015, pp. 1243–1244.
- [91] M. I. Heywood and K. Krawiec, "Solving complex problems with coevolutionary algorithms," in GECCO 2015 Advanced Tutorials, A. Simoes, Ed. Madrid, Spain: ACM, 11-15 July 2015, pp. 547–573.
- [92] F. Hruska and J. Kubalik, "Selection hyper-heuristic using a portfolio of derivative heuristics," in GECCO Companion '15: Proceedings of the Companion Publication of the 2015 on Genetic and Evolutionary Computation Conference, S. Silva, A. I. Esparcia-Alcazar, M. Lopez-Ibanez, S. Mostaghim, J. Timmis, C. Zarges, L. Correia, T. Soule, M. Giacobini, R. Urbanowicz, Y. Akimoto, T. Glasmachers, F. Fernandez de Vega, A. Hoover, P. Larranaga, M. Soto, C. Cotta, F. B. Pereira, J. Handl, J. Koutnik, A. Gaspar-Cunha, H. Trautmann, J.-B. Mouret, S. Risi, E. Costa, O. Schuetze, K. Krawiec, A. Moraglio, J. F. Miller, P. Widera, S. Cagnoni, J. Merelo, E. Hart, L. Trujillo, M. Keswsentini, G. Ochoa, F. Chicano, and C. Doerr, Eds. Madrid, Spain: ACM, 11-15 July 2015, pp. 1401–1402.
- [93] M. Inostroza-Ponta, C. Farfan, and M. Dorn, "A memetic algorithm for protein structure prediction based on conformational preferences of aminoacid residues," in GECCO Companion '15: Proceedings of the Companion Publication of the 2015 on Genetic and Evolutionary Computation Conference, S. Silva, A. I. Esparcia-Alcazar, M. Lopez-Ibanez, S. Mostaghim, J. Timmis, C. Zarges, L. Correia, T. Soule, M. Giacobini, R. Urbanowicz, Y. Akimoto, T. Glasmachers, F. Fernandez de Vega, A. Hoover, P. Larranaga, M. Soto, C. Cotta, F. B. Pereira, J. Handl, J. Koutnik, A. Gaspar-Cunha, H. Trautmann, J.-B. Mouret, S. Risi, E. Costa, O. Schuetze, K. Krawiec, A. Moraglio, J. F. Miller, P. Widera, S. Cagnoni, J. Merelo, E. Hart, L. Trujillo, M. Keswsentini, G. Ochoa, F. Chicano, and C. Doerr, Eds. Madrid, Spain: ACM, 11-15 July 2015, pp. 1403-1404.

- [94] S. Izidoro, A. M. Lacerda, and G. L. Pappa, "Megass: Multi-objective genetic active site search," in GECCO 2015 Workshop on Evolutionary Computation in Computational Structural Biology, J. Santos, J. Handl, and A. Shehu, Eds. Madrid, Spain: ACM, 11-15 July 2015, pp. 905-910.
- [95] C. Jankee, S. Verel, B. Derbel, and C. Flonlupt, "New adaptive selection strategies for distributed adaptive metaheuristic selection," in GECCO Companion '15: Proceedings of the Companion Publication of the 2015 on Genetic and Evolutionary Computation Conference, S. Silva, A. I. Esparcia-Alcazar, M. Lopez-Ibanez, S. Mostaghim, J. Timmis, C. Zarges, L. Correia, T. Soule, M. Giacobini, R. Urbanowicz, Y. Akimoto, T. Glasmachers, F. Fernandez de Vega, A. Hoover, P. Larranaga, M. Soto, C. Cotta, F. B. Pereira, J. Handl, J. Koutnik, A. Gaspar-Cunha, H. Trautmann, J.-B. Mouret, S. Risi, E. Costa, O. Schuetze, K. Krawiec, A. Moraglio, J. F. Miller, P. Widera, S. Cagnoni, J. Merelo, E. Hart, L. Trujillo, M. Keswsentini, G. Ochoa, F. Chicano, and C. Doerr, Eds. Madrid, Spain: ACM, 11-15 July 2015, pp. 1405-1406.
- [96] G. Jia, S. He, Z. Zhu, J. Liu, and K. Tang, "A multimodal optimization and surprise based consensus community detection algorithm," in GECCO Companion '15: Proceedings of the Companion Publication of the 2015 on Genetic and Evolutionary Computation Conference, S. Silva, A. I. Esparcia-Alcazar, M. Lopez-Ibanez, S. Mostaghim, J. Timmis, C. Zarges, L. Correia, T. Soule, M. Giacobini, R. Urbanowicz, Y. Akimoto, T. Glasmachers, F. Fernandez de Vega, A. Hoover, P. Larranaga, M. Soto, C. Cotta, F. B. Pereira, J. Handl, J. Koutnik, A. Gaspar-Cunha, H. Trautmann, J.-B. Mouret, S. Risi, E. Costa, O. Schuetze, K. Krawiec, A. Moraglio, J. F. Miller, P. Widera, S. Cagnoni, J. Merelo, E. Hart, L. Trujillo, M. Keswsentini, G. Ochoa, F. Chicano, and C. Doerr, Eds. Madrid, Spain: ACM, 11-15 July 2015, pp. 1407–1408.
- [97] Y. Jia, F. Wu, M. Harman, and J. Krinke, "Genetic improvement using higher order mutation," in Genetic Improvement 2015 Workshop, W. B. Langdon, D. R. White, and J. Petke, Eds. Madrid, Spain: ACM, 11-15 July 2015, pp. 803–804.
- [98] J. L. Jimenez Laredo, F. Guinand, D. Olivier, and P. Bouvry, "Trading off resource utilization and task migrations in dynamic load-balancing," in GECCO Companion '15: Proceedings of the Companion Publication of the 2015 on Genetic and Evolutionary Computation Conference, S. Silva, A. I. Esparcia-Alcazar, M. Lopez-Ibanez, S. Mostaghim, J. Timmis, C. Zarges, L. Correia, T. Soule, M. Giacobini, R. Urbanowicz, Y. Akimoto, T. Glasmachers, F. Fernandez de Vega, A. Hoover, P. Larranaga, M. Soto, C. Cotta, F. B. Pereira, J. Handl, J. Koutnik, A. Gaspar-Cunha, H. Trautmann, J.-B. Mouret, S. Risi, E. Costa, O. Schuetze, K. Krawiec, A. Moraglio, J. F. Miller, P. Widera, S. Cagnoni, J. Merelo, E. Hart, L. Trujillo, M. Keswsentini, G. Ochoa, F. Chicano, and C. Doerr, Eds. Madrid, Spain: ACM, 11-15 July 2015, pp. 1409-1410.
- [99] C. G. Johnson and J. R. Woodward, "Fitness as task-relevant information accumulation," in Genetic Improvement 2015 Workshop, W. B. Langdon, D. R. White, and J. Petke, Eds. Madrid, Spain: ACM, 11-15 July 2015, pp. 855–856.
- [100] C. Jung, Y.-H. Kim, Y. Yoon, and B.-R. Moon, "An adeaptive method of hungarian mating schemes in genetic algorithms," in GECCO Companion '15: Proceedings of the Companion Publication of the 2015 on Genetic and Evolutionary Computation Conference, S. Silva, A. I. Esparcia-Alcazar, M. Lopez-Ibanez, S. Mostaghim, J. Timmis, C. Zarges, L. Correia, T. Soule, M. Giacobini, R. Urbanowicz, Y. Akimoto, T. Glasmachers, F. Fernandez de Vega, A. Hoover, P. Larranaga, M. Soto, C. Cotta, F. B. Pereira, J. Handl, J. Koutnik, A. Gaspar-Cunha, H. Trautmann, J.-B. Mouret, S. Risi, E. Costa, O. Schuetze, K. Krawiec, A. Moraglio, J. F. Miller, P. Widera, S. Cagnoni, J. Merelo, E. Hart, L. Trujillo, M. Keswsentini, G. Ochoa, F. Chicano, and C. Doerr, Eds. Madrid, Spain: ACM, 11-15 July 2015, pp. 1413-1414.
- [101] S. Jungjit and A. Freitas, "A lexicographic multi-objective genetic algorithm for multi-label correlation based feature selection," in GECCO 2015 Evolutionary Rule-based Machine Learning (formerly the International Workshop on Learning Classifier Systems), K. Kuber, M. Nakata, and K. Shafi, Eds. Madrid, Spain: ACM, 11-15 July 2015, pp. 989–996.
- [102] R. Karimpour and G. Ruhe, "A search based approach towards robust optimization in software product line scoping," in GECCO Companion '15: Proceedings of the Companion Publication of

- the 2015 on Genetic and Evolutionary Computation Conference, S. Silva, A. I. Esparcia-Alcazar, M. Lopez-Ibanez, S. Mostaghim, J. Timmis, C. Zarges, L. Correia, T. Soule, M. Giacobini, R. Urbanowicz, Y. Akimoto, T. Glasmachers, F. Fernandez de Vega, A. Hoover, P. Larranaga, M. Soto, C. Cotta, F. B. Pereira, J. Handl, J. Koutnik, A. Gaspar-Cunha, H. Trautmann, J.-B. Mouret, S. Risi, E. Costa, O. Schuetze, K. Krawiec, A. Moraglio, J. F. Miller, P. Widera, S. Cagnoni, J. Merelo, E. Hart, L. Trujillo, M. Keswsentini, G. Ochoa, F. Chicano, and C. Doerr, Eds. Madrid, Spain: ACM, 11-15 July 2015, pp. 1415–1416.
- [103] E. Keedwell, M. Johns, and D. Savic, "Spatial and temporal visualisation of evolutionary algorithm decisions in water distribution network optimisation," in 6th Workshop on Visualisation Methods in Genetic and Evolutionary Computation (VizGEC 2015), D. Walker, R. Everson, and J. Fieldsend, Eds. Madrid, Spain: ACM, 11-15 July 2015, pp. 941–948.
- [104] K. Krynicki and J. Jaen, "Antelements: An extensible and scalable ant colony optimization middleware," in GECCO 2015 Workshop on Evolutionary Computation Software Systems (EvoSoft'15), S. Wagner and M. Affenzeller, Eds. Madrid, Spain: ACM, 11-15 July 2015, pp. 1109–1116.
- [105] U. Kumar, Jayadeva, and S. Soman, "Enhancing incremental ant colony algorithm for continuous global optimization," in GECCO Companion '15: Proceedings of the Companion Publication of the 2015 on Genetic and Evolutionary Computation Conference, S. Silva, A. I. Esparcia-Alcazar, M. Lopez-Ibanez, S. Mostaghim, J. Timmis, C. Zarges, L. Correia, T. Soule, M. Giacobini, R. Urbanowicz, Y. Akimoto, T. Glasmachers, F. Fernandez de Vega, A. Hoover, P. Larranaga, M. Soto, C. Cotta, F. B. Pereira, J. Handl, J. Koutnik, A. Gaspar-Cunha, H. Trautmann, J.-B. Mouret, S. Risi, E. Costa, O. Schuetze, K. Krawiec, A. Moraglio, J. F. Miller, P. Widera, S. Cagnoni, J. Merelo, E. Hart, L. Trujillo, M. Keswsentini, G. Ochoa, F. Chicano, and C. Doerr, Eds. Madrid, Spain: ACM, 11-15 July 2015, pp. 1417-1418.
- [106] J. Landsborough, S. Harding, and S. Fugate, "Removing the kitchen sink from software," in Genetic Improvement 2015 Workshop, W. B. Langdon, D. R. White, and J. Petke, Eds. Madrid, Spain: ACM, 11-15 July 2015, pp. 833–838.
- [107] W. B. Langdon and M. Harman, "Grow and graft a better cuda pknotsrg for rna pseudoknot free energy calculation," in *Genetic Improvement 2015 Workshop*, W. B. Langdon, D. R. White, and J. Petke, Eds. Madrid, Spain: ACM, 11-15 July 2015, pp. 805–810.
- [108] P. K. Lehre and P. S. Oliveto, "Runtime analysis of evolutionary algorithms: Basic introduction," in GECCO 2015 Introductory Tutorials, A. Simoes, Ed. Madrid, Spain: ACM, 11-15 July 2015, pp. 121–136.
- [109] D. Lessin and S. Risi, "Evolved virtual creatures with soft-body muscles: On a bio-mimetic path to meaningful morphological complexity," in GECCO 2015 Late-Breaking Abstracts, D. Sudholt, Ed. Madrid, Spain: ACM, 11-15 July 2015, pp. 761-762.
- [110] H.-H. Li, Z.-G. Chen, Z.-H. Zhan, K.-J. Du, and J. Zhang, "Renumber coevolutionary multiswarm particle swarm optimization for multi-objective workflow scheduling on cloud computing environment," in *GECCO Companion '15: Proceedings of the Companion Publication of the 2015 on Genetic and Evolutionary Computation Conference*, S. Silva, A. I. Esparcia-Alcazar, M. Lopez-Ibanez, S. Mostaghim, J. Timmis, C. Zarges, L. Correia, T. Soule, M. Giacobini, R. Urbanowicz, Y. Akimoto, T. Glasmachers, F. Fernandez de Vega, A. Hoover, P. Larranaga, M. Soto, C. Cotta, F. B. Pereira, J. Handl, J. Koutnik, A. Gaspar-Cunha, H. Trautmann, J.-B. Mouret, S. Risi, E. Costa, O. Schuetze, K. Krawiec, A. Moraglio, J. F. Miller, P. Widera, S. Cagnoni, J. Merelo, E. Hart, L. Trujillo, M. Keswsentini, G. Ochoa, F. Chicano, and C. Doerr, Eds. Madrid, Spain: ACM, 11-15 July 2015, pp. 1419–1420.
- [111] L. Liang, H. Han, C. Zhaoquan, and H. Hui, "Using particle swarm large-scale optimization to improve sampling-based image matting," in 6th Workshop on Visualisation Methods in Genetic and Evolutionary Computation (VizGEC 2015), D. Walker, R. Everson, and J. Fieldsend, Eds. Madrid, Spain: ACM, 11-15 July 2015, pp. 957–961.

- [112] P. Liskowski, K. Krawiec, T. Helmuth, and L. Spector, "Comparison of semantic-aware selection methods in genetic programming," in *GECCO 2015 Semantic Methods in Genetic Programming (SMGP'15) Workshop*, C. Johnson, K. Krawiec, A. Moraglio, and M. O'Neill, Eds. Madrid, Spain: ACM, 11-15 July 2015, pp. 1301–1307.
- [113] F. M. Lobato, V. W. Tadaiesky, I. M. Araujo, and A. L. de Santana, "An evolutionary missing data imputation method for pattern classification," in GECCO 2015 Evolutionary Rule-based Machine Learning (formerly the International Workshop on Learning Classifier Systems), K. Kuber, M. Nakata, and K. Shafi, Eds. Madrid, Spain: ACM, 11-15 July 2015, pp. 1013-1019.
- [114] F. G. Lobo and M. Bazargani, "When hillclimbers beat genetic algorithms in multimodal optimization," in GECCO Companion '15: Proceedings of the Companion Publication of the 2015 on Genetic and Evolutionary Computation Conference, S. Silva, A. I. Esparcia-Alcazar, M. Lopez-Ibanez, S. Mostaghim, J. Timmis, C. Zarges, L. Correia, T. Soule, M. Giacobini, R. Urbanowicz, Y. Akimoto, T. Glasmachers, F. Fernandez de Vega, A. Hoover, P. Larranaga, M. Soto, C. Cotta, F. B. Pereira, J. Handl, J. Koutnik, A. Gaspar-Cunha, H. Trautmann, J.-B. Mouret, S. Risi, E. Costa, O. Schuetze, K. Krawiec, A. Moraglio, J. F. Miller, P. Widera, S. Cagnoni, J. Merelo, E. Hart, L. Trujillo, M. Keswsentini, G. Ochoa, F. Chicano, and C. Doerr, Eds. Madrid, Spain: ACM, 11-15 July 2015, pp. 1421–1422.
- [115] P. Lopez-Garcia, E. Onieva, E. Osaba, A. D. Masegosa, and A. Perallos, "Hybridizing genetic algorithm with cross entropy for solving continuous functions," in *GECCO 2015 Late-Breaking Abstracts*, D. Sudholt, Ed. Madrid, Spain: ACM, 11-15 July 2015, pp. 763–764.
- [116] R. E. Lopez-Herrejon, L. Linsbauer, W. K. Assuncao, S. Fischer, S. R. Vergilio, and A. Egyed, "Genetic improvement for software product lines: An overview and a roadmap," in *Genetic Improvement 2015 Workshop*, W. B. Langdon, D. R. White, and J. Petke, Eds. Madrid, Spain: ACM, 11-15 July 2015, pp. 823–830.
- [117] J. Machado, R. Neves, and N. Horta, "Developing multi-time frame trading rules with a trend following strategy, using ga," in *GECCO 2015 Late-Breaking Abstracts*, D. Sudholt, Ed. Madrid, Spain: ACM, 11-15 July 2015, pp. 765–766.
- [118] Q. Madera, M. Garcia-Valdez, O. Castillo, and A. Mancilla, "A method based on interactive evolutionary computation for increasing the effectiveness of advertisement texts," in *GECCO'15 Student Workshop*, T. Tusar and B. Naujoks, Eds. Madrid, Spain: ACM, 11-15 July 2015, pp. 1225–1228.
- [119] D. Margarida and C. H. Antunes, "Multi-objective optimization of sensor placement to detect contamination in water distribution networks," in GECCO Companion '15: Proceedings of the Companion Publication of the 2015 on Genetic and Evolutionary Computation Conference, S. Silva, A. I. Esparcia-Alcazar, M. Lopez-Ibanez, S. Mostaghim, J. Timmis, C. Zarges, L. Correia, T. Soule, M. Giacobini, R. Urbanowicz, Y. Akimoto, T. Glasmachers, F. Fernandez de Vega, A. Hoover, P. Larranaga, M. Soto, C. Cotta, F. B. Pereira, J. Handl, J. Koutnik, A. Gaspar-Cunha, H. Trautmann, J.-B. Mouret, S. Risi, E. Costa, O. Schuetze, K. Krawiec, A. Moraglio, J. F. Miller, P. Widera, S. Cagnoni, J. Merelo, E. Hart, L. Trujillo, M. Keswsentini, G. Ochoa, F. Chicano, and C. Doerr, Eds. Madrid, Spain: ACM, 11-15 July 2015, pp. 1423–1424.
- [120] L. Mariot and A. Leporati, "Heuristic search by particle swarm optimization of boolean functions for cryptographic applications," in GECCO Companion '15: Proceedings of the Companion Publication of the 2015 on Genetic and Evolutionary Computation Conference, S. Silva, A. I. Esparcia-Alcazar, M. Lopez-Ibanez, S. Mostaghim, J. Timmis, C. Zarges, L. Correia, T. Soule, M. Giacobini, R. Urbanowicz, Y. Akimoto, T. Glasmachers, F. Fernandez de Vega, A. Hoover, P. Larranaga, M. Soto, C. Cotta, F. B. Pereira, J. Handl, J. Koutnik, A. Gaspar-Cunha, H. Trautmann, J.-B. Mouret, S. Risi, E. Costa, O. Schuetze, K. Krawiec, A. Moraglio, J. F. Miller, P. Widera, S. Cagnoni, J. Merelo, E. Hart, L. Trujillo, M. Keswsentini, G. Ochoa, F. Chicano, and C. Doerr, Eds. Madrid, Spain: ACM, 11-15 July 2015, pp. 1425-1426.
- [121] L. Marti, C. Grimme, P. Kerschke, H. Trautmann, and G. Rudolph, "Averaged hausdorff approximations of pareto fronts based on multiobjective estimation of distribution algorithms,"

- in GECCO Companion '15: Proceedings of the Companion Publication of the 2015 on Genetic and Evolutionary Computation Conference, S. Silva, A. I. Esparcia-Alcazar, M. Lopez-Ibanez, S. Mostaghim, J. Timmis, C. Zarges, L. Correia, T. Soule, M. Giacobini, R. Urbanowicz, Y. Akimoto, T. Glasmachers, F. Fernandez de Vega, A. Hoover, P. Larranaga, M. Soto, C. Cotta, F. B. Pereira, J. Handl, J. Koutnik, A. Gaspar-Cunha, H. Trautmann, J.-B. Mouret, S. Risi, E. Costa, O. Schuetze, K. Krawiec, A. Moraglio, J. F. Miller, P. Widera, S. Cagnoni, J. Merelo, E. Hart, L. Trujillo, M. Keswsentini, G. Ochoa, F. Chicano, and C. Doerr, Eds. Madrid, Spain: ACM, 11-15 July 2015, pp. 1427–1428.
- [122] M. A. Martin, A. R. Bertels, and D. R. Tauritz, "Asynchronous parallel evolutionary algorithms: Leveraging heterogeneous fitness evaluation times for scalability and elitist parsimony pressure," in GECCO Companion '15: Proceedings of the Companion Publication of the 2015 on Genetic and Evolutionary Computation Conference, S. Silva, A. I. Esparcia-Alcazar, M. Lopez-Ibanez, S. Mostaghim, J. Timmis, C. Zarges, L. Correia, T. Soule, M. Giacobini, R. Urbanowicz, Y. Akimoto, T. Glasmachers, F. Fernandez de Vega, A. Hoover, P. Larranaga, M. Soto, C. Cotta, F. B. Pereira, J. Handl, J. Koutnik, A. Gaspar-Cunha, H. Trautmann, J.-B. Mouret, S. Risi, E. Costa, O. Schuetze, K. Krawiec, A. Moraglio, J. F. Miller, P. Widera, S. Cagnoni, J. Merelo, E. Hart, L. Trujillo, M. Keswsentini, G. Ochoa, F. Chicano, and C. Doerr, Eds. Madrid, Spain: ACM, 11-15 July 2015, pp. 1429–1430.
- [123] M. A. Martin and D. R. Tauritz, "Hyper-heuristics: A study on increasing primitive-space," in GECCO 2015 5th Workshop on Evolutionary Computation for the Automated Design of Algorithms (ECADA'15), J. Woodward, D. Tauritz, and M. Lopez-Ibanez, Eds. Madrid, Spain: ACM, 11-15 July 2015, pp. 1051–1058.
- [124] J. Martinez, G. Rossi, T. Ziadi, T. F. D. A. Bissyande, J. Klein, and Y. Le Traon, "Estimating and predicting average likability on computer-generated artwork variants," in GECCO Companion '15: Proceedings of the Companion Publication of the 2015 on Genetic and Evolutionary Computation Conference, S. Silva, A. I. Esparcia-Alcazar, M. Lopez-Ibanez, S. Mostaghim, J. Timmis, C. Zarges, L. Correia, T. Soule, M. Giacobini, R. Urbanowicz, Y. Akimoto, T. Glasmachers, F. Fernandez de Vega, A. Hoover, P. Larranaga, M. Soto, C. Cotta, F. B. Pereira, J. Handl, J. Koutnik, A. Gaspar-Cunha, H. Trautmann, J.-B. Mouret, S. Risi, E. Costa, O. Schuetze, K. Krawiec, A. Moraglio, J. F. Miller, P. Widera, S. Cagnoni, J. Merelo, E. Hart, L. Trujillo, M. Keswsentini, G. Ochoa, F. Chicano, and C. Doerr, Eds. Madrid, Spain: ACM, 11-15 July 2015, pp. 1431–1432.
- [125] J. P. Martins and A. C. Delbem, "Handling crossover bias to improve diversity in multiobjective evolutionary optimization," in GECCO Companion '15: Proceedings of the Companion Publication of the 2015 on Genetic and Evolutionary Computation Conference, S. Silva, A. I. Esparcia-Alcazar, M. Lopez-Ibanez, S. Mostaghim, J. Timmis, C. Zarges, L. Correia, T. Soule, M. Giacobini, R. Urbanowicz, Y. Akimoto, T. Glasmachers, F. Fernandez de Vega, A. Hoover, P. Larranaga, M. Soto, C. Cotta, F. B. Pereira, J. Handl, J. Koutnik, A. Gaspar-Cunha, H. Trautmann, J.-B. Mouret, S. Risi, E. Costa, O. Schuetze, K. Krawiec, A. Moraglio, J. F. Miller, P. Widera, S. Cagnoni, J. Merelo, E. Hart, L. Trujillo, M. Keswsentini, G. Ochoa, F. Chicano, and C. Doerr, Eds. Madrid, Spain: ACM, 11-15 July 2015, pp. 1433-1434.
- [126] J. A. McCall, L. A. Christie, and A. E. Brownlee, "Generating easy and hard problems using the proximate optimality principle," in *GECCO 2015 Late-Breaking Abstracts*, D. Sudholt, Ed. Madrid, Spain: ACM, 11-15 July 2015, pp. 767–768.
- [127] D. Medernach, J. Fitzgerald, R. M. A. Azad, and C. Ryan, "Wave: A genetic programming approach to divide and conquer," in GECCO Companion '15: Proceedings of the Companion Publication of the 2015 on Genetic and Evolutionary Computation Conference, S. Silva, A. I. Esparcia-Alcazar, M. Lopez-Ibanez, S. Mostaghim, J. Timmis, C. Zarges, L. Correia, T. Soule, M. Giacobini, R. Urbanowicz, Y. Akimoto, T. Glasmachers, F. Fernandez de Vega, A. Hoover, P. Larranaga, M. Soto, C. Cotta, F. B. Pereira, J. Handl, J. Koutnik, A. Gaspar-Cunha, H. Trautmann, J.-B. Mouret, S. Risi, E. Costa, O. Schuetze, K. Krawiec, A. Moraglio, J. F. Miller, P. Widera, S. Cagnoni, J. Merelo, E. Hart, L. Trujillo, M. Keswsentini, G. Ochoa, F. Chicano, and C. Doerr, Eds. Madrid, Spain: ACM, 11-15 July 2015, pp. 1435-1436.

- [128] —, "Wave: Incremental erosion of residual error," in *GECCO 2015 Semantic Methods in Genetic Programming (SMGP'15) Workshop*, C. Johnson, K. Krawiec, A. Moraglio, and M. O'Neill, Eds. Madrid, Spain: ACM, 11-15 July 2015, pp. 1285–1292.
- [129] H. D. Menendez and D. Camacho, "Mogcla: A multi-objective genetic clustering algorithm for large data analysis," in GECCO Companion '15: Proceedings of the Companion Publication of the 2015 on Genetic and Evolutionary Computation Conference, S. Silva, A. I. Esparcia-Alcazar, M. Lopez-Ibanez, S. Mostaghim, J. Timmis, C. Zarges, L. Correia, T. Soule, M. Giacobini, R. Urbanowicz, Y. Akimoto, T. Glasmachers, F. Fernandez de Vega, A. Hoover, P. Larranaga, M. Soto, C. Cotta, F. B. Pereira, J. Handl, J. Koutnik, A. Gaspar-Cunha, H. Trautmann, J.-B. Mouret, S. Risi, E. Costa, O. Schuetze, K. Krawiec, A. Moraglio, J. F. Miller, P. Widera, S. Cagnoni, J. Merelo, E. Hart, L. Trujillo, M. Keswsentini, G. Ochoa, F. Chicano, and C. Doerr, Eds. Madrid, Spain: ACM, 11-15 July 2015, pp. 1437–1438.
- [130] J. J. Merelo-Guervos, "Low or no cost distributed evolutionary computation," in *GECCO 2015 Specialized Tutorials*, A. Simoes, Ed. Madrid, Spain: ACM, 11-15 July 2015, pp. 703–706.
- [131] J. J. Merelo-Guervos and P. Garcia-Sanchez, "Designing and modeling a browser-based distributed evolutionary computation system," in *GECCO 2015 Workshop on Evolutionary Computation Software Systems (EvoSoft'15)*, S. Wagner and M. Affenzeller, Eds. Madrid, Spain: ACM, 11-15 July 2015, pp. 1117–1124.
- [132] R. Miikkulainen, "Evolving neural networks," in *GECCO 2015 Introductory Tutorials*, A. Simoes, Ed. Madrid, Spain: ACM, 11-15 July 2015, pp. 137–161.
- [133] J. Miller and H. Broersma, "Computational matter: Evolving computational solutions in materials," in GECCO 2015 Late-Breaking Abstracts, D. Sudholt, Ed. Madrid, Spain: ACM, 11-15 July 2015, pp. 769-770.
- [134] J. Miller and A. Turner, "Cartesian genetic programming," in *GECCO 2015 Introductory Tutorials*, A. Simoes, Ed. Madrid, Spain: ACM, 11-15 July 2015, pp. 179–198.
- [135] S. Mirjalili and A. Lewis, "A reliable and computationally cheap approach for finding robust optimal solutions," in GECCO Companion '15: Proceedings of the Companion Publication of the 2015 on Genetic and Evolutionary Computation Conference, S. Silva, A. I. Esparcia-Alcazar, M. Lopez-Ibanez, S. Mostaghim, J. Timmis, C. Zarges, L. Correia, T. Soule, M. Giacobini, R. Urbanowicz, Y. Akimoto, T. Glasmachers, F. Fernandez de Vega, A. Hoover, P. Larranaga, M. Soto, C. Cotta, F. B. Pereira, J. Handl, J. Koutnik, A. Gaspar-Cunha, H. Trautmann, J.-B. Mouret, S. Risi, E. Costa, O. Schuetze, K. Krawiec, A. Moraglio, J. F. Miller, P. Widera, S. Cagnoni, J. Merelo, E. Hart, L. Trujillo, M. Keswsentini, G. Ochoa, F. Chicano, and C. Doerr, Eds. Madrid, Spain: ACM, 11-15 July 2015, pp. 1439-1440.
- [136] V. Mironovich and M. Buzdalov, "Hard test generation for maximum flow algorithms with the fast crossover-based evolutionary algorithm," in *GECCO'15 Student Workshop*, T. Tusar and B. Naujoks, Eds. Madrid, Spain: ACM, 11-15 July 2015, pp. 1229–1232.
- [137] M. Miyakawa, K. Takadama, and H. Sato, "Control of crossed genes ratio for directed mating in evolutionary constrained multi-objective optimization," in *GECCO'15 Student Workshop*, T. Tusar and B. Naujoks, Eds. Madrid, Spain: ACM, 11-15 July 2015, pp. 1201–1204.
- [138] A. Moraglio and K. Krawiec, "Semantic genetic programming," in *GECCO 2015 Advanced Tutorials*, A. Simoes, Ed. Madrid, Spain: ACM, 11-15 July 2015, pp. 603–627.
- [139] S. S. Mousavi Astarabadi and M. M. Ebadzadeh, "Avoiding overfitting in symbolic regression using the first order derivative of gp trees," in GECCO Companion '15: Proceedings of the Companion Publication of the 2015 on Genetic and Evolutionary Computation Conference, S. Silva, A. I. Esparcia-Alcazar, M. Lopez-Ibanez, S. Mostaghim, J. Timmis, C. Zarges, L. Correia, T. Soule, M. Giacobini, R. Urbanowicz, Y. Akimoto, T. Glasmachers, F. Fernandez de Vega, A. Hoover, P. Larranaga, M. Soto, C. Cotta, F. B. Pereira, J. Handl, J. Koutnik, A. Gaspar-Cunha, H. Trautmann, J.-B. Mouret, S. Risi, E. Costa, O. Schuetze, K. Krawiec, A. Moraglio, J. F. Miller, P. Widera, S. Cagnoni, J. Merelo, E. Hart, L. Trujillo, M. Keswsentini, G. Ochoa, F. Chicano, and C. Doerr, Eds. Madrid, Spain: ACM, 11-15 July 2015, pp. 1441-1442.

- [140] V. Mrazek, Z. Vasicek, and L. Sekanina, "Evolutionary approximation of software for embedded systems: Median function," in *Genetic Improvement 2015 Workshop*, W. B. Langdon, D. R. White, and J. Petke, Eds. Madrid, Spain: ACM, 11-15 July 2015, pp. 795–801.
- [141] Z. Mu and H. H. Hoos, "Empirical scaling analyser: An automated system for empirical analysis of performance scaling," in *GECCO 2015 Late-Breaking Abstracts*, D. Sudholt, Ed. Madrid, Spain: ACM, 11-15 July 2015, pp. 771–772.
- [142] R. Mueller-Bady, R. Gad, M. Kappes, and I. Medina-Bulo, "Using genetic algorithms for deadline-constrained monitor selection in dynamic computer networks," in SecDef'2015 Workshop on genetic and evolutionary computation in defense, security and risk management, F. W. Moore and N. Zincir-Heywood, Eds. Madrid, Spain: ACM, 11-15 July 2015, pp. 867–874.
- [143] W. n. Browne, "Back to the future: Learning classifier systems as cognitive systems," in GECCO 2015 Evolutionary Rule-based Machine Learning (formerly the International Workshop on Learning Classifier Systems), K. Kuber, M. Nakata, and K. Shafi, Eds. Madrid, Spain: ACM, 11-15 July 2015, pp. 1037–1037.
- [144] A. Najar, O. Sigaud, and M. Chetouani, "Socially guided xcs: Using teaching signals to boost learning," in GECCO 2015 Evolutionary Rule-based Machine Learning (formerly the International Workshop on Learning Classifier Systems), K. Kuber, M. Nakata, and K. Shafi, Eds. Madrid, Spain: ACM, 11-15 July 2015, pp. 1021–1028.
- [145] A. J. Nebro, J. J. Durillo, and M. Vergne, "Redesigning the jmetal multi-objective optimization framework," in GECCO 2015 Workshop on Evolutionary Computation Software Systems (EvoSoft'15), S. Wagner and M. Affenzeller, Eds. Madrid, Spain: ACM, 11-15 July 2015, pp. 1093-1100.
- [146] F. Neumann and A. M. Sutton, "Parameterized complexity analysis of evolutionary algorithms," in GECCO 2015 Advanced Tutorials, A. Simoes, Ed. Madrid, Spain: ACM, 11-15 July 2015, pp. 435–450.
- [147] S. S. Nielsen, G. Danoy, P. Bouvry, and E.-G. Talbi, "Nk landscape instances mimicking the protein inverse folding problem towards future benchmarks," in *GECCO 2015 Workshop* on *Evolutionary Computation in Computational Structural Biology*, J. Santos, J. Handl, and A. Shehu, Eds. Madrid, Spain: ACM, 11-15 July 2015, pp. 915–921.
- [148] H. E. Nouri, O. Belkahla Driss, and K. Ghedira, "Metaheuristics based on clustering in a holonic multiagent model for the flexible job shop problem," in GECCO 2015 Evolutionary Rulebased Machine Learning (formerly the International Workshop on Learning Classifier Systems), K. Kuber, M. Nakata, and K. Shafi, Eds. Madrid, Spain: ACM, 11-15 July 2015, pp. 997–1004.
- [149] A.-M. Oprescu, A. (Vintila) Filip, and T. Kielmann, "Fast pareto front approximation for cloud instance pool optimization," in GECCO Companion '15: Proceedings of the Companion Publication of the 2015 on Genetic and Evolutionary Computation Conference, S. Silva, A. I. Esparcia-Alcazar, M. Lopez-Ibanez, S. Mostaghim, J. Timmis, C. Zarges, L. Correia, T. Soule, M. Giacobini, R. Urbanowicz, Y. Akimoto, T. Glasmachers, F. Fernandez de Vega, A. Hoover, P. Larranaga, M. Soto, C. Cotta, F. B. Pereira, J. Handl, J. Koutnik, A. Gaspar-Cunha, H. Trautmann, J.-B. Mouret, S. Risi, E. Costa, O. Schuetze, K. Krawiec, A. Moraglio, J. F. Miller, P. Widera, S. Cagnoni, J. Merelo, E. Hart, L. Trujillo, M. Keswsentini, G. Ochoa, F. Chicano, and C. Doerr, Eds. Madrid, Spain: ACM, 11-15 July 2015, pp. 1443-1444.
- [150] U.-M. O'Reilly, "Genetic programming: A tutorial introduction," in *GECCO 2015 Introductory Tutorials*, A. Simoes, Ed. Madrid, Spain: ACM, 11-15 July 2015, pp. 3–19.
- [151] P. Overbury and L. Berthouze, "Using novelty-biased ga to sample diversity in graphs satisfying constraints," in *GECCO Companion '15: Proceedings of the Companion Publication of the 2015 on Genetic and Evolutionary Computation Conference*, S. Silva, A. I. Esparcia-Alcazar, M. Lopez-Ibanez, S. Mostaghim, J. Timmis, C. Zarges, L. Correia, T. Soule, M. Giacobini, R. Urbanowicz, Y. Akimoto, T. Glasmachers, F. Fernandez de Vega, A. Hoover, P. Larranaga, M. Soto, C. Cotta,

- F. B. Pereira, J. Handl, J. Koutnik, A. Gaspar-Cunha, H. Trautmann, J.-B. Mouret, S. Risi, E. Costa, O. Schuetze, K. Krawiec, A. Moraglio, J. F. Miller, P. Widera, S. Cagnoni, J. Merelo, E. Hart, L. Trujillo, M. Keswsentini, G. Ochoa, F. Chicano, and C. Doerr, Eds. Madrid, Spain: ACM, 11-15 July 2015, pp. 1445–1446.
- [152] O. Ozkan, M. Ermis, and I. Bekmezci, "A hybrid matheuristic approach for designing reliable wireless multimedia sensor networks," in SecDef'2015 Workshop on genetic and evolutionary computation in defense, security and risk management, F. W. Moore and N. Zincir-Heywood, Eds. Madrid, Spain: ACM, 11-15 July 2015, pp. 875–882.
- [153] D. Pallez, M. Serrurier, C. da Costa Pereira, G. Fusco, and C. Cao, "Social specialization of space: Clustering households on the french riviera," in GECCO Companion '15: Proceedings of the Companion Publication of the 2015 on Genetic and Evolutionary Computation Conference, S. Silva, A. I. Esparcia-Alcazar, M. Lopez-Ibanez, S. Mostaghim, J. Timmis, C. Zarges, L. Correia, T. Soule, M. Giacobini, R. Urbanowicz, Y. Akimoto, T. Glasmachers, F. Fernandez de Vega, A. Hoover, P. Larranaga, M. Soto, C. Cotta, F. B. Pereira, J. Handl, J. Koutnik, A. Gaspar-Cunha, H. Trautmann, J.-B. Mouret, S. Risi, E. Costa, O. Schuetze, K. Krawiec, A. Moraglio, J. F. Miller, P. Widera, S. Cagnoni, J. Merelo, E. Hart, L. Trujillo, M. Keswsentini, G. Ochoa, F. Chicano, and C. Doerr, Eds. Madrid, Spain: ACM, 11-15 July 2015, pp. 1447–1448.
- [154] J. P. Papa, G. H. Rosa, K. A. Costa, N. A. Marana, W. Scheirer, and D. D. Cox, "On the model selection of bernoulli restricted boltzmann machines through harmony search," in GECCO Companion '15: Proceedings of the Companion Publication of the 2015 on Genetic and Evolutionary Computation Conference, S. Silva, A. I. Esparcia-Alcazar, M. Lopez-Ibanez, S. Mostaghim, J. Timmis, C. Zarges, L. Correia, T. Soule, M. Giacobini, R. Urbanowicz, Y. Akimoto, T. Glasmachers, F. Fernandez de Vega, A. Hoover, P. Larranaga, M. Soto, C. Cotta, F. B. Pereira, J. Handl, J. Koutnik, A. Gaspar-Cunha, H. Trautmann, J.-B. Mouret, S. Risi, E. Costa, O. Schuetze, K. Krawiec, A. Moraglio, J. F. Miller, P. Widera, S. Cagnoni, J. Merelo, E. Hart, L. Trujillo, M. Keswsentini, G. Ochoa, F. Chicano, and C. Doerr, Eds. Madrid, Spain: ACM, 11-15 July 2015, pp. 1449–1450.
- [155] G. Pappa, A. Simoes, D. Sudholt, W. B. Langdon, D. R. White, J. Petke, F. W. Moore, N. Zincir-Heywood, J. Santos, J. Handl, A. Shehu, D. Walker, R. Everson, J. Fieldsend, K. Kuber, M. Nakata, K. Shafi, J. Woodward, D. Tauritz, M. Lopez-Ibanez, S. Wagner, M. Affenzeller, Y. Akimoto, A. Auger, D. Brockhoff, N. Hansen, O. Mersmann, P. Posik, T. Tusar, B. Naujoks, A. Prieto, N. Bredeche, E. Haasdijk, C. Simons, J. Swan, K. Krawiec, J. Smith, C. Johnson, A. Moraglio, M. O'Neill, S. L. Smith, S. Cagnoni, and R. M. Patton, Eds., GECCO Companion '15: Proceedings of the Companion Publication of the 2015 on Genetic and Evolutionary Computation Conference, Madrid, Spain, 11-15 July 2015. [Online]. Available: http://dl.acm.org/citation.cfm?id=2739480
- [156] J. Park, S. Nguyen, M. Zhang, and M. Johnston, "A single population genetic programming based ensemble learning approach to job shop scheduling," in GECCO Companion '15: Proceedings of the Companion Publication of the 2015 on Genetic and Evolutionary Computation Conference, S. Silva, A. I. Esparcia-Alcazar, M. Lopez-Ibanez, S. Mostaghim, J. Timmis, C. Zarges, L. Correia, T. Soule, M. Giacobini, R. Urbanowicz, Y. Akimoto, T. Glasmachers, F. Fernandez de Vega, A. Hoover, P. Larranaga, M. Soto, C. Cotta, F. B. Pereira, J. Handl, J. Koutnik, A. Gaspar-Cunha, H. Trautmann, J.-B. Mouret, S. Risi, E. Costa, O. Schuetze, K. Krawiec, A. Moraglio, J. F. Miller, P. Widera, S. Cagnoni, J. Merelo, E. Hart, L. Trujillo, M. Keswsentini, G. Ochoa, F. Chicano, and C. Doerr, Eds. Madrid, Spain: ACM, 11-15 July 2015, pp. 1451–1452.
- [157] A. Patelli, N. Bencomo, A. Ekart, H. Goldingay, and P. Lewis, "Two-b or not two-b?: Design patterns for hybrid metaheuristics," in GECCO 2015 2nd Workshop on Metaheuristic Design Patterns (MetaDeeP'15), C. Simons, J. Swan, K. Krawiec, D. Tauritz, and J. Smith, Eds. Madrid, Spain: ACM, 11-15 July 2015, pp. 1269–1274.
- [158] J. C. Pereira and F. G. Lobo, "Parameter-less evolutionary portfolio: First experiments," in GECCO 2015 Late-Breaking Abstracts, D. Sudholt, Ed. Madrid, Spain: ACM, 11-15 July 2015, pp. 773–774.

- [159] T. Perry and M. Bader-El-Den, "Imbalanced classification using genetically optimized random forests," in GECCO Companion '15: Proceedings of the Companion Publication of the 2015 on Genetic and Evolutionary Computation Conference, S. Silva, A. I. Esparcia-Alcazar, M. Lopez-Ibanez, S. Mostaghim, J. Timmis, C. Zarges, L. Correia, T. Soule, M. Giacobini, R. Urbanowicz, Y. Akimoto, T. Glasmachers, F. Fernandez de Vega, A. Hoover, P. Larranaga, M. Soto, C. Cotta, F. B. Pereira, J. Handl, J. Koutnik, A. Gaspar-Cunha, H. Trautmann, J.-B. Mouret, S. Risi, E. Costa, O. Schuetze, K. Krawiec, A. Moraglio, J. F. Miller, P. Widera, S. Cagnoni, J. Merelo, E. Hart, L. Trujillo, M. Keswsentini, G. Ochoa, F. Chicano, and C. Doerr, Eds. Madrid, Spain: ACM, 11-15 July 2015, pp. 1453–1454.
- [160] I. Petrova and A. Buzdalova, "Selection of auxiliary objectives in the travelling salesman problem using reinforcement learning," in GECCO Companion '15: Proceedings of the Companion Publication of the 2015 on Genetic and Evolutionary Computation Conference, S. Silva, A. I. Esparcia-Alcazar, M. Lopez-Ibanez, S. Mostaghim, J. Timmis, C. Zarges, L. Correia, T. Soule, M. Giacobini, R. Urbanowicz, Y. Akimoto, T. Glasmachers, F. Fernandez de Vega, A. Hoover, P. Larranaga, M. Soto, C. Cotta, F. B. Pereira, J. Handl, J. Koutnik, A. Gaspar-Cunha, H. Trautmann, J.-B. Mouret, S. Risi, E. Costa, O. Schuetze, K. Krawiec, A. Moraglio, J. F. Miller, P. Widera, S. Cagnoni, J. Merelo, E. Hart, L. Trujillo, M. Keswsentini, G. Ochoa, F. Chicano, and C. Doerr, Eds. Madrid, Spain: ACM, 11-15 July 2015, pp. 1455-1456.
- [161] S. Picek, J. F. Miller, D. Jakobovic, and L. Batina, "Cartesian genetic programming approach for generating substitution boxes of different sizes," in GECCO Companion '15: Proceedings of the Companion Publication of the 2015 on Genetic and Evolutionary Computation Conference, S. Silva, A. I. Esparcia-Alcazar, M. Lopez-Ibanez, S. Mostaghim, J. Timmis, C. Zarges, L. Correia, T. Soule, M. Giacobini, R. Urbanowicz, Y. Akimoto, T. Glasmachers, F. Fernandez de Vega, A. Hoover, P. Larranaga, M. Soto, C. Cotta, F. B. Pereira, J. Handl, J. Koutnik, A. Gaspar-Cunha, H. Trautmann, J.-B. Mouret, S. Risi, E. Costa, O. Schuetze, K. Krawiec, A. Moraglio, J. F. Miller, P. Widera, S. Cagnoni, J. Merelo, E. Hart, L. Trujillo, M. Keswsentini, G. Ochoa, F. Chicano, and C. Doerr, Eds. Madrid, Spain: ACM, 11-15 July 2015, pp. 1457–1458.
- [162] P. Posik and P. Baudis, "Dimension selection in axis-parallel brent-step method for black-box optimization of separable continuous functions," in *Black Box Optimization Benchmarking* (BBOB 2015) Workshop, Y. Akimoto, A. Auger, D. Brockhoff, N. Hansen, O. Mersmann, and P. Posik, Eds. Madrid, Spain: ACM, 11-15 July 2015, pp. 1151–1158.
- [163] M. Preuss, "Multimodal optimization," in GECCO 2015 Introductory Tutorials, A. Simoes, Ed. Madrid, Spain: ACM, 11-15 July 2015, pp. 293–312.
- [164] M. Probst, "Denoising autoencoders for fast combinatorial black box optimization," in GECCO Companion '15: Proceedings of the Companion Publication of the 2015 on Genetic and Evolutionary Computation Conference, S. Silva, A. I. Esparcia-Alcazar, M. Lopez-Ibanez, S. Mostaghim, J. Timmis, C. Zarges, L. Correia, T. Soule, M. Giacobini, R. Urbanowicz, Y. Akimoto, T. Glasmachers, F. Fernandez de Vega, A. Hoover, P. Larranaga, M. Soto, C. Cotta, F. B. Pereira, J. Handl, J. Koutnik, A. Gaspar-Cunha, H. Trautmann, J.-B. Mouret, S. Risi, E. Costa, O. Schuetze, K. Krawiec, A. Moraglio, J. F. Miller, P. Widera, S. Cagnoni, J. Merelo, E. Hart, L. Trujillo, M. Keswsentini, G. Ochoa, F. Chicano, and C. Doerr, Eds. Madrid, Spain: ACM, 11-15 July 2015, pp. 1459–1460.
- [165] P. Rabanal, I. Rodriguez, and F. Rubio, "On the uselessness of finite benchmarks to assess evolutionaryand swarm methods," in GECCO Companion '15: Proceedings of the Companion Publication of the 2015 on Genetic and Evolutionary Computation Conference, S. Silva, A. I. Esparcia-Alcazar, M. Lopez-Ibanez, S. Mostaghim, J. Timmis, C. Zarges, L. Correia, T. Soule, M. Giacobini, R. Urbanowicz, Y. Akimoto, T. Glasmachers, F. Fernandez de Vega, A. Hoover, P. Larranaga, M. Soto, C. Cotta, F. B. Pereira, J. Handl, J. Koutnik, A. Gaspar-Cunha, H. Trautmann, J.-B. Mouret, S. Risi, E. Costa, O. Schuetze, K. Krawiec, A. Moraglio, J. F. Miller, P. Widera, S. Cagnoni, J. Merelo, E. Hart, L. Trujillo, M. Keswsentini, G. Ochoa, F. Chicano, and C. Doerr, Eds. Madrid, Spain: ACM, 11-15 July 2015, pp. 1461-1462.
- [166] A. Ramirez, J. R. Romero, and S. Ventura, "An extensible jclec-based solution for the implementation of multi-objective evolutionary algorithms," in *GECCO 2015 Workshop on*

- Evolutionary Computation Software Systems (EvoSoft'15), S. Wagner and M. Affenzeller, Eds. Madrid, Spain: ACM, 11-15 July 2015, pp. 1085–1092.
- [167] C. Ramirez-Atencia, G. Bello-Orgaz, M. D. R-Moreno, and D. Camacho, "A hybrid moga-csp for multi-uav mission planning," in *GECCO'15 Student Workshop*, T. Tusar and B. Naujoks, Eds. Madrid, Spain: ACM, 11-15 July 2015, pp. 1205–1208.
- [168] A. Raß, M. Schmitt, and R. Wanka, "Explanation of stagnation at points that are not local optima in particle swarm optimization by potential analysis," in GECCO Companion '15: Proceedings of the Companion Publication of the 2015 on Genetic and Evolutionary Computation Conference, S. Silva, A. I. Esparcia-Alcazar, M. Lopez-Ibanez, S. Mostaghim, J. Timmis, C. Zarges, L. Correia, T. Soule, M. Giacobini, R. Urbanowicz, Y. Akimoto, T. Glasmachers, F. Fernandez de Vega, A. Hoover, P. Larranaga, M. Soto, C. Cotta, F. B. Pereira, J. Handl, J. Koutnik, A. Gaspar-Cunha, H. Trautmann, J.-B. Mouret, S. Risi, E. Costa, O. Schuetze, K. Krawiec, A. Moraglio, J. F. Miller, P. Widera, S. Cagnoni, J. Merelo, E. Hart, L. Trujillo, M. Keswsentini, G. Ochoa, F. Chicano, and C. Doerr, Eds. Madrid, Spain: ACM, 11-15 July 2015, pp. 1463–1464.
- [169] M.-C. Riff and E. Montero, "A collaborative strategy to reduce initial setup requirements of paramils using evoca," in GECCO Companion '15: Proceedings of the Companion Publication of the 2015 on Genetic and Evolutionary Computation Conference, S. Silva, A. I. Esparcia-Alcazar, M. Lopez-Ibanez, S. Mostaghim, J. Timmis, C. Zarges, L. Correia, T. Soule, M. Giacobini, R. Urbanowicz, Y. Akimoto, T. Glasmachers, F. Fernandez de Vega, A. Hoover, P. Larranaga, M. Soto, C. Cotta, F. B. Pereira, J. Handl, J. Koutnik, A. Gaspar-Cunha, H. Trautmann, J.-B. Mouret, S. Risi, E. Costa, O. Schuetze, K. Krawiec, A. Moraglio, J. F. Miller, P. Widera, S. Cagnoni, J. Merelo, E. Hart, L. Trujillo, M. Keswsentini, G. Ochoa, F. Chicano, and C. Doerr, Eds. Madrid, Spain: ACM, 11-15 July 2015, pp. 1467–1468.
- [170] D. Rivero, E. Fernandez-Blanco, J. Dorado, and A. Pazos, "Classification of two-channel signals by means of genetic programming," in *GECCO 2015 Medical Applications of Genetic and Evolutionary Computation (MedGEC'15) Workshop*, S. L. Smith, S. Cagnoni, and R. M. Patton, Eds. Madrid, Spain: ACM, 11-15 July 2015, pp. 1319–1325.
- [171] N. Rojas, E. Montero, and M.-C. Riff, "Using anti-pheromone to identify core objects for multidimensional knapsack problems: A two-step ants based approach," in GECCO Companion '15: Proceedings of the Companion Publication of the 2015 on Genetic and Evolutionary Computation Conference, S. Silva, A. I. Esparcia-Alcazar, M. Lopez-Ibanez, S. Mostaghim, J. Timmis, C. Zarges, L. Correia, T. Soule, M. Giacobini, R. Urbanowicz, Y. Akimoto, T. Glasmachers, F. Fernandez de Vega, A. Hoover, P. Larranaga, M. Soto, C. Cotta, F. B. Pereira, J. Handl, J. Koutnik, A. Gaspar-Cunha, H. Trautmann, J.-B. Mouret, S. Risi, E. Costa, O. Schuetze, K. Krawiec, A. Moraglio, J. F. Miller, P. Widera, S. Cagnoni, J. Merelo, E. Hart, L. Trujillo, M. Keswsentini, G. Ochoa, F. Chicano, and C. Doerr, Eds. Madrid, Spain: ACM, 11-15 July 2015, pp. 1469–1470.
- [172] F. Rothlauf, "Representations for evolutionary algorithms," in *GECCO 2015 Introductory Tutorials*, A. Simoes, Ed. Madrid, Spain: ACM, 11-15 July 2015, pp. 345–366.
- [173] A. Runka and T. White, "Evolving neurocontrollers for the control of information diffusion in social networks," in GECCO Companion '15: Proceedings of the Companion Publication of the 2015 on Genetic and Evolutionary Computation Conference, S. Silva, A. I. Esparcia-Alcazar, M. Lopez-Ibanez, S. Mostaghim, J. Timmis, C. Zarges, L. Correia, T. Soule, M. Giacobini, R. Urbanowicz, Y. Akimoto, T. Glasmachers, F. Fernandez de Vega, A. Hoover, P. Larranaga, M. Soto, C. Cotta, F. B. Pereira, J. Handl, J. Koutnik, A. Gaspar-Cunha, H. Trautmann, J.-B. Mouret, S. Risi, E. Costa, O. Schuetze, K. Krawiec, A. Moraglio, J. F. Miller, P. Widera, S. Cagnoni, J. Merelo, E. Hart, L. Trujillo, M. Keswsentini, G. Ochoa, F. Chicano, and C. Doerr, Eds. Madrid, Spain: ACM, 11-15 July 2015, pp. 1471-1472.
- [174] G. Rush, D. R. Tauritz, and A. D. Kent, "Coevolutionary agent-based network defense lightweight event system (candles)," in SecDef'2015 Workshop on genetic and evolutionary computation

- in defense, security and risk management, F. W. Moore and N. Zincir-Heywood, Eds. Madrid, Spain: ACM, 11-15 July 2015, pp. 859–866.
- [175] P. Ryser-Welch, J. F. Miller, and S. Asta, "Generating human-readable algorithms for the travelling salesman problem using hyper-heuristics," in GECCO 2015 5th Workshop on Evolutionary Computation for the Automated Design of Algorithms (ECADA'15), J. Woodward, D. Tauritz, and M. Lopez-Ibanez, Eds. Madrid, Spain: ACM, 11-15 July 2015, pp. 1067–1074.
- [176] —, "Evolutionary cross-domain hyper-heuristics," in GECCO Companion '15: Proceedings of the Companion Publication of the 2015 on Genetic and Evolutionary Computation Conference, S. Silva, A. I. Esparcia-Alcazar, M. Lopez-Ibanez, S. Mostaghim, J. Timmis, C. Zarges, L. Correia, T. Soule, M. Giacobini, R. Urbanowicz, Y. Akimoto, T. Glasmachers, F. Fernandez de Vega, A. Hoover, P. Larranaga, M. Soto, C. Cotta, F. B. Pereira, J. Handl, J. Koutnik, A. Gaspar-Cunha, H. Trautmann, J.-B. Mouret, S. Risi, E. Costa, O. Schuetze, K. Krawiec, A. Moraglio, J. F. Miller, P. Widera, S. Cagnoni, J. Merelo, E. Hart, L. Trujillo, M. Keswsentini, G. Ochoa, F. Chicano, and C. Doerr, Eds. Madrid, Spain: ACM, 11-15 July 2015, pp. 1473–1474.
- [177] A. Salah and E. Hart, "Grid diversity operator for some population-based optimization algorithms," in GECCO Companion '15: Proceedings of the Companion Publication of the 2015 on Genetic and Evolutionary Computation Conference, S. Silva, A. I. Esparcia-Alcazar, M. Lopez-Ibanez, S. Mostaghim, J. Timmis, C. Zarges, L. Correia, T. Soule, M. Giacobini, R. Urbanowicz, Y. Akimoto, T. Glasmachers, F. Fernandez de Vega, A. Hoover, P. Larranaga, M. Soto, C. Cotta, F. B. Pereira, J. Handl, J. Koutnik, A. Gaspar-Cunha, H. Trautmann, J.-B. Mouret, S. Risi, E. Costa, O. Schuetze, K. Krawiec, A. Moraglio, J. F. Miller, P. Widera, S. Cagnoni, J. Merelo, E. Hart, L. Trujillo, M. Keswsentini, G. Ochoa, F. Chicano, and C. Doerr, Eds. Madrid, Spain: ACM, 11-15 July 2015, pp. 1475-1476.
- [178] R. Santana, A. Mendiburu, and J. A. Lozano, "Multi-objective nm-landscapes," in GECCO Companion '15: Proceedings of the Companion Publication of the 2015 on Genetic and Evolutionary Computation Conference, S. Silva, A. I. Esparcia-Alcazar, M. Lopez-Ibanez, S. Mostaghim, J. Timmis, C. Zarges, L. Correia, T. Soule, M. Giacobini, R. Urbanowicz, Y. Akimoto, T. Glasmachers, F. Fernandez de Vega, A. Hoover, P. Larranaga, M. Soto, C. Cotta, F. B. Pereira, J. Handl, J. Koutnik, A. Gaspar-Cunha, H. Trautmann, J.-B. Mouret, S. Risi, E. Costa, O. Schuetze, K. Krawiec, A. Moraglio, J. F. Miller, P. Widera, S. Cagnoni, J. Merelo, E. Hart, L. Trujillo, M. Keswsentini, G. Ochoa, F. Chicano, and C. Doerr, Eds. Madrid, Spain: ACM, 11-15 July 2015, pp. 1477–1478.
- [179] V. Santucci, M. Baioletti, and A. Milani, "An algebraic differential evolution for the linear ordering problem," in GECCO Companion '15: Proceedings of the Companion Publication of the 2015 on Genetic and Evolutionary Computation Conference, S. Silva, A. I. Esparcia-Alcazar, M. Lopez-Ibanez, S. Mostaghim, J. Timmis, C. Zarges, L. Correia, T. Soule, M. Giacobini, R. Urbanowicz, Y. Akimoto, T. Glasmachers, F. Fernandez de Vega, A. Hoover, P. Larranaga, M. Soto, C. Cotta, F. B. Pereira, J. Handl, J. Koutnik, A. Gaspar-Cunha, H. Trautmann, J.-B. Mouret, S. Risi, E. Costa, O. Schuetze, K. Krawiec, A. Moraglio, J. F. Miller, P. Widera, S. Cagnoni, J. Merelo, E. Hart, L. Trujillo, M. Keswsentini, G. Ochoa, F. Chicano, and C. Doerr, Eds. Madrid, Spain: ACM, 11-15 July 2015, pp. 1479-1480.
- [180] E. Sapin, K. De Jong, and A. Shehu, "Mapping multiple minima in protein energy landscapes with evolutionary algorithms," in GECCO 2015 Workshop on Evolutionary Computation in Computational Structural Biology, J. Santos, J. Handl, and A. Shehu, Eds. Madrid, Spain: ACM, 11-15 July 2015, pp. 923-927.
- [181] H. Sato, M. Miyakawa, and E. Perez-Cortes, "A parallel moea/d generating solutions in minimum overlapped update ranges of solutions," in *GECCO 2015 Late-Breaking Abstracts*, D. Sudholt, Ed. Madrid, Spain: ACM, 11-15 July 2015, pp. 775–776.
- [182] A. Scheibenpflug, A. Beham, M. Kommenda, J. Karder, S. Wagner, and M. Affenzeller, "Simplifying problem definitions in the heuristiclab optimization environment," in GECCO 2015 Workshop on Evolutionary Computation Software Systems (EvoSoft'15), S. Wagner and M. Affenzeller, Eds. Madrid, Spain: ACM, 11-15 July 2015, pp. 1101-1108.

- [183] J. Schmitt, S. Seufert, C. Zoubek, and H. Koestler, "Potential-field-based unit behavior optimization for balancing in starcraft ii," in GECCO Companion '15: Proceedings of the Companion Publication of the 2015 on Genetic and Evolutionary Computation Conference, S. Silva, A. I. Esparcia-Alcazar, M. Lopez-Ibanez, S. Mostaghim, J. Timmis, C. Zarges, L. Correia, T. Soule, M. Giacobini, R. Urbanowicz, Y. Akimoto, T. Glasmachers, F. Fernandez de Vega, A. Hoover, P. Larranaga, M. Soto, C. Cotta, F. B. Pereira, J. Handl, J. Koutnik, A. Gaspar-Cunha, H. Trautmann, J.-B. Mouret, S. Risi, E. Costa, O. Schuetze, K. Krawiec, A. Moraglio, J. F. Miller, P. Widera, S. Cagnoni, J. Merelo, E. Hart, L. Trujillo, M. Keswsentini, G. Ochoa, F. Chicano, and C. Doerr, Eds. Madrid, Spain: ACM, 11-15 July 2015, pp. 1481–1482.
- [184] E. M. Schulte, W. Weimer, and S. Forrest, "Repairing cots router firmware without access to source code or test suites: A case study in evolutionary software repair," in *Genetic Improvement* 2015 Workshop, W. B. Langdon, D. R. White, and J. Petke, Eds. Madrid, Spain: ACM, 11-15 July 2015, pp. 847–854.
- [185] E. O. Scott and J. K. Bassett, "Learning genetic representations for classes of real-valued optimization problems," in *GECCO 2015 5th Workshop on Evolutionary Computation for the Automated Design of Algorithms (ECADA'15)*, J. Woodward, D. Tauritz, and M. Lopez-Ibanez, Eds. Madrid, Spain: ACM, 11-15 July 2015, pp. 1075–1082.
- [186] E. O. Scott and K. A. De Jong, "Evaluation-time bias in asynchronous evolutionary algorithms," in *GECCO'15 Student Workshop*, T. Tusar and B. Naujoks, Eds. Madrid, Spain: ACM, 11-15 July 2015, pp. 1209–1212.
- [187] A. Shehu and K. De Jong, "Evolutionary algorithms for protein structure modeling," in *GECCO* 2015 Advanced Tutorials, A. Simoes, Ed. Madrid, Spain: ACM, 11-15 July 2015, pp. 533–545.
- [188] G. Sher, "Momentum enhanced neuroevolution," in GECCO Companion '15: Proceedings of the Companion Publication of the 2015 on Genetic and Evolutionary Computation Conference, S. Silva, A. I. Esparcia-Alcazar, M. Lopez-Ibanez, S. Mostaghim, J. Timmis, C. Zarges, L. Correia, T. Soule, M. Giacobini, R. Urbanowicz, Y. Akimoto, T. Glasmachers, F. Fernandez de Vega, A. Hoover, P. Larranaga, M. Soto, C. Cotta, F. B. Pereira, J. Handl, J. Koutnik, A. Gaspar-Cunha, H. Trautmann, J.-B. Mouret, S. Risi, E. Costa, O. Schuetze, K. Krawiec, A. Moraglio, J. F. Miller, P. Widera, S. Cagnoni, J. Merelo, E. Hart, L. Trujillo, M. Keswsentini, G. Ochoa, F. Chicano, and C. Doerr, Eds. Madrid, Spain: ACM, 11-15 July 2015, pp. 1483–1484.
- [189] K. Sim and E. Hart, "A novel heuristic generator for jssp using a tree-based representation of dispatching rules," in GECCO Companion '15: Proceedings of the Companion Publication of the 2015 on Genetic and Evolutionary Computation Conference, S. Silva, A. I. Esparcia-Alcazar, M. Lopez-Ibanez, S. Mostaghim, J. Timmis, C. Zarges, L. Correia, T. Soule, M. Giacobini, R. Urbanowicz, Y. Akimoto, T. Glasmachers, F. Fernandez de Vega, A. Hoover, P. Larranaga, M. Soto, C. Cotta, F. B. Pereira, J. Handl, J. Koutnik, A. Gaspar-Cunha, H. Trautmann, J.-B. Mouret, S. Risi, E. Costa, O. Schuetze, K. Krawiec, A. Moraglio, J. F. Miller, P. Widera, S. Cagnoni, J. Merelo, E. Hart, L. Trujillo, M. Keswsentini, G. Ochoa, F. Chicano, and C. Doerr, Eds. Madrid, Spain: ACM, 11-15 July 2015, pp. 1485–1486.
- [190] S. L. Smith, "Medical applications of evolutionary computation," in *GECCO 2015 Specialized Tutorials*, A. Simoes, Ed. Madrid, Spain: ACM, 11-15 July 2015, pp. 651-679.
- [191] A. M. Soares, B. J. Fernandes, and C. J. Bastos-Filho, "Pyramidal neural networks with variable receptive fields designed by genetic algorithms," in GECCO Companion '15: Proceedings of the Companion Publication of the 2015 on Genetic and Evolutionary Computation Conference, S. Silva, A. I. Esparcia-Alcazar, M. Lopez-Ibanez, S. Mostaghim, J. Timmis, C. Zarges, L. Correia, T. Soule, M. Giacobini, R. Urbanowicz, Y. Akimoto, T. Glasmachers, F. Fernandez de Vega, A. Hoover, P. Larranaga, M. Soto, C. Cotta, F. B. Pereira, J. Handl, J. Koutnik, A. Gaspar-Cunha, H. Trautmann, J.-B. Mouret, S. Risi, E. Costa, O. Schuetze, K. Krawiec, A. Moraglio, J. F. Miller, P. Widera, S. Cagnoni, J. Merelo, E. Hart, L. Trujillo, M. Keswsentini, G. Ochoa, F. Chicano, and C. Doerr, Eds. Madrid, Spain: ACM, 11-15 July 2015, pp. 1487–1488.

- [192] L. Spector, "Expressive genetic programming," in *GECCO 2015 Advanced Tutorials*, A. Simoes, Ed. Madrid, Spain: ACM, 11-15 July 2015, pp. 409–434.
- [193] K. O. Stanley, "Generative and developmental systems tutorial," in *GECCO 2015 Advanced Tutorials*, A. Simoes, Ed. Madrid, Spain: ACM, 11-15 July 2015, pp. 503–532.
- [194] T. M. Stehling, S. R. DE Souza, and M. F. De Franca Filho, "A hybrid particle swarm optimization for solving vehicle routing problem with time windows," in GECCO Companion '15: Proceedings of the Companion Publication of the 2015 on Genetic and Evolutionary Computation Conference, S. Silva, A. I. Esparcia-Alcazar, M. Lopez-Ibanez, S. Mostaghim, J. Timmis, C. Zarges, L. Correia, T. Soule, M. Giacobini, R. Urbanowicz, Y. Akimoto, T. Glasmachers, F. Fernandez de Vega, A. Hoover, P. Larranaga, M. Soto, C. Cotta, F. B. Pereira, J. Handl, J. Koutnik, A. Gaspar-Cunha, H. Trautmann, J.-B. Mouret, S. Risi, E. Costa, O. Schuetze, K. Krawiec, A. Moraglio, J. F. Miller, P. Widera, S. Cagnoni, J. Merelo, E. Hart, L. Trujillo, M. Keswsentini, G. Ochoa, F. Chicano, and C. Doerr, Eds. Madrid, Spain: ACM, 11-15 July 2015, pp. 1489–1490.
- [195] A. Steyven, E. Hart, and B. Paechter, "The cost of communication: Environmental pressure and survivability in medea," in *GECCO 2015 Evolving Collective Behaviors in Robotics (ECBR'15) Workshop*, A. Prieto, N. Bredeche, and E. Haasdijk, Eds. Madrid, Spain: ACM, 11-15 July 2015, pp. 1239–1240.
- [196] C. Stoean, R. Stoean, A. Sandita, C. Mesina, C. L. Gruia, and D. Ciobanu, "Evolutionary search for an accurate contour segmentation in histopathological images," in GECCO Companion '15: Proceedings of the Companion Publication of the 2015 on Genetic and Evolutionary Computation Conference, S. Silva, A. I. Esparcia-Alcazar, M. Lopez-Ibanez, S. Mostaghim, J. Timmis, C. Zarges, L. Correia, T. Soule, M. Giacobini, R. Urbanowicz, Y. Akimoto, T. Glasmachers, F. Fernandez de Vega, A. Hoover, P. Larranaga, M. Soto, C. Cotta, F. B. Pereira, J. Handl, J. Koutnik, A. Gaspar-Cunha, H. Trautmann, J.-B. Mouret, S. Risi, E. Costa, O. Schuetze, K. Krawiec, A. Moraglio, J. F. Miller, P. Widera, S. Cagnoni, J. Merelo, E. Hart, L. Trujillo, M. Keswsentini, G. Ochoa, F. Chicano, and C. Doerr, Eds. Madrid, Spain: ACM, 11-15 July 2015, pp. 1491–1492.
- [197] T. Stuetzle and M. Lopez-Ibanez, "Automatic (offline) configuration of algorithms," in *GECCO* 2015 Specialized Tutorials, A. Simoes, Ed. Madrid, Spain: ACM, 11-15 July 2015, pp. 681–702.
- [198] D. Sudholt, "Theory of swarm intelligence," in GECCO 2015 Advanced Tutorials, A. Simoes, Ed. Madrid, Spain: ACM, 11-15 July 2015, pp. 451-471.
- [199] Y. Sun, M. Kirley, and S. K. Halgamuge, "On the selection of decomposition methods for large scale fully non-separable problems," in *GECCO'15 Student Workshop*, T. Tusar and B. Naujoks, Eds. Madrid, Spain: ACM, 11-15 July 2015, pp. 1213–1216.
- [200] G. Sungu and B. Boz, "An evolutionary algorithm for weighted graph coloring problem," in GECCO'15 Student Workshop, T. Tusar and B. Naujoks, Eds. Madrid, Spain: ACM, 11-15 July 2015, pp. 1233–1236.
- [201] K. Takadama, "A potential of evolutionary rule-based machine learning for real world applications," in GECCO 2015 Evolutionary Rule-based Machine Learning (formerly the International Workshop on Learning Classifier Systems), K. Kuber, M. Nakata, and K. Shafi, Eds. Madrid, Spain: ACM, 11-15 July 2015, pp. 1039–1040.
- [202] R. Tanabe, "A note on multi-funnel functions for expensive optimization scenario," in GECCO Companion '15: Proceedings of the Companion Publication of the 2015 on Genetic and Evolutionary Computation Conference, S. Silva, A. I. Esparcia-Alcazar, M. Lopez-Ibanez, S. Mostaghim, J. Timmis, C. Zarges, L. Correia, T. Soule, M. Giacobini, R. Urbanowicz, Y. Akimoto, T. Glasmachers, F. Fernandez de Vega, A. Hoover, P. Larranaga, M. Soto, C. Cotta, F. B. Pereira, J. Handl, J. Koutnik, A. Gaspar-Cunha, H. Trautmann, J.-B. Mouret, S. Risi, E. Costa, O. Schuetze, K. Krawiec, A. Moraglio, J. F. Miller, P. Widera, S. Cagnoni, J. Merelo, E. Hart, L. Trujillo, M. Keswsentini, G. Ochoa, F. Chicano, and C. Doerr, Eds. Madrid, Spain: ACM, 11-15 July 2015, pp. 1493-1494.

- [203] D. Thierens and P. A. Bosman, "Model-based evolutionary algorithms," in *GECCO 2015 Introductory Tutorials*, A. Simoes, Ed. Madrid, Spain: ACM, 11-15 July 2015, pp. 93–120.
- [204] M. Tomassini, "Introduction to complex networks," in GECCO 2015 Introductory Tutorials,
 A. Simoes, Ed. Madrid, Spain: ACM, 11-15 July 2015, pp. 163-178.
- [205] P. Trueba, A. Prieto, F. Bellas, and R. J. Duro, "Embodied evolution for collective indoor surveillance and location," in GECCO 2015 Evolving Collective Behaviors in Robotics (ECBR'15) Workshop, A. Prieto, N. Bredeche, and E. Haasdijk, Eds. Madrid, Spain: ACM, 11-15 July 2015, pp. 1241–1242.
- [206] G. A. Trunfio, "An effective approach for adapting the size of subcomponents in large-scale optimization with cooperative coevolution," in GECCO Companion '15: Proceedings of the Companion Publication of the 2015 on Genetic and Evolutionary Computation Conference, S. Silva, A. I. Esparcia-Alcazar, M. Lopez-Ibanez, S. Mostaghim, J. Timmis, C. Zarges, L. Correia, T. Soule, M. Giacobini, R. Urbanowicz, Y. Akimoto, T. Glasmachers, F. Fernandez de Vega, A. Hoover, P. Larranaga, M. Soto, C. Cotta, F. B. Pereira, J. Handl, J. Koutnik, A. Gaspar-Cunha, H. Trautmann, J.-B. Mouret, S. Risi, E. Costa, O. Schuetze, K. Krawiec, A. Moraglio, J. F. Miller, P. Widera, S. Cagnoni, J. Merelo, E. Hart, L. Trujillo, M. Keswsentini, G. Ochoa, F. Chicano, and C. Doerr, Eds. Madrid, Spain: ACM, 11-15 July 2015, pp. 1495–1496.
- [207] W. W. Tsang and H. Y. Lau, "A grid-facilitated ais-based network scheme for many-objective optimization," in GECCO Companion '15: Proceedings of the Companion Publication of the 2015 on Genetic and Evolutionary Computation Conference, S. Silva, A. I. Esparcia-Alcazar, M. Lopez-Ibanez, S. Mostaghim, J. Timmis, C. Zarges, L. Correia, T. Soule, M. Giacobini, R. Urbanowicz, Y. Akimoto, T. Glasmachers, F. Fernandez de Vega, A. Hoover, P. Larranaga, M. Soto, C. Cotta, F. B. Pereira, J. Handl, J. Koutnik, A. Gaspar-Cunha, H. Trautmann, J.-B. Mouret, S. Risi, E. Costa, O. Schuetze, K. Krawiec, A. Moraglio, J. F. Miller, P. Widera, S. Cagnoni, J. Merelo, E. Hart, L. Trujillo, M. Keswsentini, G. Ochoa, F. Chicano, and C. Doerr, Eds. Madrid, Spain: ACM, 11-15 July 2015, pp. 1497–1498.
- [208] S. Tsutsui and N. Fujimoto, "A comparative study of synchronization of parallel aco on multi-core processor," in GECCO 2015 Late-Breaking Abstracts, D. Sudholt, Ed. Madrid, Spain: ACM, 11-15 July 2015, pp. 777–778.
- [209] A. J. Turner and J. F. Miller, "Recurrent cartesian genetic programming applied to series forecasting," in GECCO Companion '15: Proceedings of the Companion Publication of the 2015 on Genetic and Evolutionary Computation Conference, S. Silva, A. I. Esparcia-Alcazar, M. Lopez-Ibanez, S. Mostaghim, J. Timmis, C. Zarges, L. Correia, T. Soule, M. Giacobini, R. Urbanowicz, Y. Akimoto, T. Glasmachers, F. Fernandez de Vega, A. Hoover, P. Larranaga, M. Soto, C. Cotta, F. B. Pereira, J. Handl, J. Koutnik, A. Gaspar-Cunha, H. Trautmann, J.-B. Mouret, S. Risi, E. Costa, O. Schuetze, K. Krawiec, A. Moraglio, J. F. Miller, P. Widera, S. Cagnoni, J. Merelo, E. Hart, L. Trujillo, M. Keswsentini, G. Ochoa, F. Chicano, and C. Doerr, Eds. Madrid, Spain: ACM, 11-15 July 2015, pp. 1499–1500.
- [210] R. Ugolotti and S. Cagnoni, "Automatic tuning of standard pso versions," in GECCO Companion '15: Proceedings of the Companion Publication of the 2015 on Genetic and Evolutionary Computation Conference, S. Silva, A. I. Esparcia-Alcazar, M. Lopez-Ibanez, S. Mostaghim, J. Timmis, C. Zarges, L. Correia, T. Soule, M. Giacobini, R. Urbanowicz, Y. Akimoto, T. Glasmachers, F. Fernandez de Vega, A. Hoover, P. Larranaga, M. Soto, C. Cotta, F. B. Pereira, J. Handl, J. Koutnik, A. Gaspar-Cunha, H. Trautmann, J.-B. Mouret, S. Risi, E. Costa, O. Schuetze, K. Krawiec, A. Moraglio, J. F. Miller, P. Widera, S. Cagnoni, J. Merelo, E. Hart, L. Trujillo, M. Keswsentini, G. Ochoa, F. Chicano, and C. Doerr, Eds. Madrid, Spain: ACM, 11-15 July 2015, pp. 1501–1502.
- [211] R. Urbanowicz and W. Browne, "Introducing rule-based machine learning: A practical guide," in GECCO 2015 Introductory Tutorials, A. Simoes, Ed. Madrid, Spain: ACM, 11-15 July 2015, pp. 263–292.

- [212] R. Urbanowicz, N. Ramanand, and J. Moore, "Continuous endpoint data mining with exstracs: A supervised learning classifier system," in GECCO 2015 Evolutionary Rule-based Machine Learning (formerly the International Workshop on Learning Classifier Systems), K. Kuber, M. Nakata, and K. Shafi, Eds. Madrid, Spain: ACM, 11-15 July 2015, pp. 1029–1036.
- [213] N. B. Urquhart, E. Hart, and A. Judson, "Multi-modal employee routing with time windows in an urban environment," in GECCO Companion '15: Proceedings of the Companion Publication of the 2015 on Genetic and Evolutionary Computation Conference, S. Silva, A. I. Esparcia-Alcazar, M. Lopez-Ibanez, S. Mostaghim, J. Timmis, C. Zarges, L. Correia, T. Soule, M. Giacobini, R. Urbanowicz, Y. Akimoto, T. Glasmachers, F. Fernandez de Vega, A. Hoover, P. Larranaga, M. Soto, C. Cotta, F. B. Pereira, J. Handl, J. Koutnik, A. Gaspar-Cunha, H. Trautmann, J.-B. Mouret, S. Risi, E. Costa, O. Schuetze, K. Krawiec, A. Moraglio, J. F. Miller, P. Widera, S. Cagnoni, J. Merelo, E. Hart, L. Trujillo, M. Keswsentini, G. Ochoa, F. Chicano, and C. Doerr, Eds. Madrid, Spain: ACM, 11-15 July 2015, pp. 1503-1504.
- [214] D. Varela and J. Santos, "Combination of differential evolution and fragment-based replacements for protein structure prediction," in GECCO 2015 Workshop on Evolutionary Computation in Computational Structural Biology, J. Santos, J. Handl, and A. Shehu, Eds. Madrid, Spain: ACM, 11-15 July 2015, pp. 911-914.
- [215] D. V. Vargas, H. Takano, and J. Murata, "The relationship between (un)fractured problems and division of input space," in GECCO 2015 Evolutionary Rule-based Machine Learning (formerly the International Workshop on Learning Classifier Systems), K. Kuber, M. Nakata, and K. Shafi, Eds. Madrid, Spain: ACM, 11-15 July 2015, pp. 981–987.
- [216] Z. Vasicek and L. Sekanina, "Evolutionary approximation of complex digital circuits," in GECCO Companion '15: Proceedings of the Companion Publication of the 2015 on Genetic and Evolutionary Computation Conference, S. Silva, A. I. Esparcia-Alcazar, M. Lopez-Ibanez, S. Mostaghim, J. Timmis, C. Zarges, L. Correia, T. Soule, M. Giacobini, R. Urbanowicz, Y. Akimoto, T. Glasmachers, F. Fernandez de Vega, A. Hoover, P. Larranaga, M. Soto, C. Cotta, F. B. Pereira, J. Handl, J. Koutnik, A. Gaspar-Cunha, H. Trautmann, J.-B. Mouret, S. Risi, E. Costa, O. Schuetze, K. Krawiec, A. Moraglio, J. F. Miller, P. Widera, S. Cagnoni, J. Merelo, E. Hart, L. Trujillo, M. Keswsentini, G. Ochoa, F. Chicano, and C. Doerr, Eds. Madrid, Spain: ACM, 11-15 July 2015, pp. 1505-1506.
- [217] J. M. Velasco, S. Winkler, J. I. Hidalgo, O. Garnica, J. Lanchares, J. M. Colmenar, E. Maqueda, M. Botella, and J.-A. Rubio, "Data-based identification of prediction models for glucose," in GECCO 2015 Medical Applications of Genetic and Evolutionary Computation (MedGEC'15) Workshop, S. L. Smith, S. Cagnoni, and R. M. Patton, Eds. Madrid, Spain: ACM, 11-15 July 2015, pp. 1327–1334.
- [218] P. Verbancsics, "Impact of speciation heuristic on crossover and search in neat," in GECCO Companion '15: Proceedings of the Companion Publication of the 2015 on Genetic and Evolutionary Computation Conference, S. Silva, A. I. Esparcia-Alcazar, M. Lopez-Ibanez, S. Mostaghim, J. Timmis, C. Zarges, L. Correia, T. Soule, M. Giacobini, R. Urbanowicz, Y. Akimoto, T. Glasmachers, F. Fernandez de Vega, A. Hoover, P. Larranaga, M. Soto, C. Cotta, F. B. Pereira, J. Handl, J. Koutnik, A. Gaspar-Cunha, H. Trautmann, J.-B. Mouret, S. Risi, E. Costa, O. Schuetze, K. Krawiec, A. Moraglio, J. F. Miller, P. Widera, S. Cagnoni, J. Merelo, E. Hart, L. Trujillo, M. Keswsentini, G. Ochoa, F. Chicano, and C. Doerr, Eds. Madrid, Spain: ACM, 11-15 July 2015, pp. 1509–1510.
- [219] P. Verbancsics and J. Harguess, "Classifying maritime vessels from satellite imagery with hyperneat," in GECCO Companion '15: Proceedings of the Companion Publication of the 2015 on Genetic and Evolutionary Computation Conference, S. Silva, A. I. Esparcia-Alcazar, M. Lopez-Ibanez, S. Mostaghim, J. Timmis, C. Zarges, L. Correia, T. Soule, M. Giacobini, R. Urbanowicz, Y. Akimoto, T. Glasmachers, F. Fernandez de Vega, A. Hoover, P. Larranaga, M. Soto, C. Cotta, F. B. Pereira, J. Handl, J. Koutnik, A. Gaspar-Cunha, H. Trautmann, J.-B. Mouret, S. Risi, E. Costa, O. Schuetze, K. Krawiec, A. Moraglio, J. F. Miller, P. Widera, S. Cagnoni, J. Merelo, E. Hart, L. Trujillo, M. Keswsentini, G. Ochoa, F. Chicano, and C. Doerr, Eds. Madrid, Spain: ACM, 11-15 July 2015, pp. 1507-1508.

- [220] C. von Luecken, H. Monzon, C. Brizuela, and B. Baran, "Dimensionality reduction in many-objective problems combining pca and spectral clustering," in GECCO Companion '15: Proceedings of the Companion Publication of the 2015 on Genetic and Evolutionary Computation Conference, S. Silva, A. I. Esparcia-Alcazar, M. Lopez-Ibanez, S. Mostaghim, J. Timmis, C. Zarges, L. Correia, T. Soule, M. Giacobini, R. Urbanowicz, Y. Akimoto, T. Glasmachers, F. Fernandez de Vega, A. Hoover, P. Larranaga, M. Soto, C. Cotta, F. B. Pereira, J. Handl, J. Koutnik, A. Gaspar-Cunha, H. Trautmann, J.-B. Mouret, S. Risi, E. Costa, O. Schuetze, K. Krawiec, A. Moraglio, J. F. Miller, P. Widera, S. Cagnoni, J. Merelo, E. Hart, L. Trujillo, M. Keswsentini, G. Ochoa, F. Chicano, and C. Doerr, Eds. Madrid, Spain: ACM, 11-15 July 2015, pp. 1511–1512.
- [221] M. D. Wagy and J. C. Bongard, "Crowdseeding robot design," in GECCO Companion '15: Proceedings of the Companion Publication of the 2015 on Genetic and Evolutionary Computation Conference, S. Silva, A. I. Esparcia-Alcazar, M. Lopez-Ibanez, S. Mostaghim, J. Timmis, C. Zarges, L. Correia, T. Soule, M. Giacobini, R. Urbanowicz, Y. Akimoto, T. Glasmachers, F. Fernandez de Vega, A. Hoover, P. Larranaga, M. Soto, C. Cotta, F. B. Pereira, J. Handl, J. Koutnik, A. Gaspar-Cunha, H. Trautmann, J.-B. Mouret, S. Risi, E. Costa, O. Schuetze, K. Krawiec, A. Moraglio, J. F. Miller, P. Widera, S. Cagnoni, J. Merelo, E. Hart, L. Trujillo, M. Keswsentini, G. Ochoa, F. Chicano, and C. Doerr, Eds. Madrid, Spain: ACM, 11-15 July 2015, pp. 1513–1514.
- [222] D. J. Walker, "Visualising multi-objective populations with treemaps," in 6th Workshop on Visualisation Methods in Genetic and Evolutionary Computation (VizGEC 2015), D. Walker, R. Everson, and J. Fieldsend, Eds. Madrid, Spain: ACM, 11-15 July 2015, pp. 963-970.
- [223] C. Watkins and Y. Buttkewitz, "Efficient sampling with small populations: a genetic algorithm satisfying detailed balance," in GECCO Companion '15: Proceedings of the Companion Publication of the 2015 on Genetic and Evolutionary Computation Conference, S. Silva, A. I. Esparcia-Alcazar, M. Lopez-Ibanez, S. Mostaghim, J. Timmis, C. Zarges, L. Correia, T. Soule, M. Giacobini, R. Urbanowicz, Y. Akimoto, T. Glasmachers, F. Fernandez de Vega, A. Hoover, P. Larranaga, M. Soto, C. Cotta, F. B. Pereira, J. Handl, J. Koutnik, A. Gaspar-Cunha, H. Trautmann, J.-B. Mouret, S. Risi, E. Costa, O. Schuetze, K. Krawiec, A. Moraglio, J. F. Miller, P. Widera, S. Cagnoni, J. Merelo, E. Hart, L. Trujillo, M. Keswsentini, G. Ochoa, F. Chicano, and C. Doerr, Eds. Madrid, Spain: ACM, 11-15 July 2015, pp. 1517–1518.
- [224] M. Weiss Cohen, A. Dahan, and I. Kaspi, "Software system for container vessel stowage planning using genetic algorithm," in GECCO Companion '15: Proceedings of the Companion Publication of the 2015 on Genetic and Evolutionary Computation Conference, S. Silva, A. I. Esparcia-Alcazar, M. Lopez-Ibanez, S. Mostaghim, J. Timmis, C. Zarges, L. Correia, T. Soule, M. Giacobini, R. Urbanowicz, Y. Akimoto, T. Glasmachers, F. Fernandez de Vega, A. Hoover, P. Larranaga, M. Soto, C. Cotta, F. B. Pereira, J. Handl, J. Koutnik, A. Gaspar-Cunha, H. Trautmann, J.-B. Mouret, S. Risi, E. Costa, O. Schuetze, K. Krawiec, A. Moraglio, J. F. Miller, P. Widera, S. Cagnoni, J. Merelo, E. Hart, L. Trujillo, M. Keswsentini, G. Ochoa, F. Chicano, and C. Doerr, Eds. Madrid, Spain: ACM, 11-15 July 2015, pp. 1519-1520.
- [225] D. R. White and J. Singer, "Rethinking genetic improvement programming," in Genetic Improvement 2015 Workshop, W. B. Langdon, D. R. White, and J. Petke, Eds. Madrid, Spain: ACM, 11-15 July 2015, pp. 845–846.
- [226] D. R. White, S. Yoo, and J. Singer, "The programming game: Evaluating mcts as an alternative to gp for symbolic regression," in GECCO Companion '15: Proceedings of the Companion Publication of the 2015 on Genetic and Evolutionary Computation Conference, S. Silva, A. I. Esparcia-Alcazar, M. Lopez-Ibanez, S. Mostaghim, J. Timmis, C. Zarges, L. Correia, T. Soule, M. Giacobini, R. Urbanowicz, Y. Akimoto, T. Glasmachers, F. Fernandez de Vega, A. Hoover, P. Larranaga, M. Soto, C. Cotta, F. B. Pereira, J. Handl, J. Koutnik, A. Gaspar-Cunha, H. Trautmann, J.-B. Mouret, S. Risi, E. Costa, O. Schuetze, K. Krawiec, A. Moraglio, J. F. Miller, P. Widera, S. Cagnoni, J. Merelo, E. Hart, L. Trujillo, M. Keswsentini, G. Ochoa, F. Chicano, and C. Doerr, Eds. Madrid, Spain: ACM, 11-15 July 2015, pp. 1521-1522.

- [227] D. Whitley, "Blind no more: Constant time non-random improving moves and exponentially powerful recombination," in *GECCO 2015 Advanced Tutorials*, A. Simoes, Ed. Madrid, Spain: ACM, 11-15 July 2015, pp. 391–407.
- [228] J. R. Woodward and D. R. Tauritz, "Hyper-heuristics," in GECCO 2015 Introductory Tutorials,
 A. Simoes, Ed. Madrid, Spain: ACM, 11-15 July 2015, pp. 199-230.
- [229] Y.-M. Wu, L.-Y. Chen, P.-M. Lee, and T.-C. Hsiao, "Enable the xcs to dynamically learn multiple problems: A sensor tagging approach," in GECCO Companion '15: Proceedings of the Companion Publication of the 2015 on Genetic and Evolutionary Computation Conference, S. Silva, A. I. Esparcia-Alcazar, M. Lopez-Ibanez, S. Mostaghim, J. Timmis, C. Zarges, L. Correia, T. Soule, M. Giacobini, R. Urbanowicz, Y. Akimoto, T. Glasmachers, F. Fernandez de Vega, A. Hoover, P. Larranaga, M. Soto, C. Cotta, F. B. Pereira, J. Handl, J. Koutnik, A. Gaspar-Cunha, H. Trautmann, J.-B. Mouret, S. Risi, E. Costa, O. Schuetze, K. Krawiec, A. Moraglio, J. F. Miller, P. Widera, S. Cagnoni, J. Merelo, E. Hart, L. Trujillo, M. Keswsentini, G. Ochoa, F. Chicano, and C. Doerr, Eds. Madrid, Spain: ACM, 11-15 July 2015, pp. 1523-1524.
- [230] J. Xie, Y. Mei, and A. Song, "Evolving self-adaptive tabu search algorithm for storage location assignment problems," in *GECCO 2015 Late-Breaking Abstracts*, D. Sudholt, Ed. Madrid, Spain: ACM, 11-15 July 2015, pp. 779–780.
- [231] S. Yang, "Evolutionary computation for dynamic optimization problems," in *GECCO 2015 Advanced Tutorials*, A. Simoes, Ed. Madrid, Spain: ACM, 11-15 July 2015, pp. 629–649.
- [232] K. Yeboah-Antwi and B. Baudry, "Embedding adaptivity in software systems using the ecselr framework," in *Genetic Improvement 2015 Workshop*, W. B. Langdon, D. R. White, and J. Petke, Eds. Madrid, Spain: ACM, 11-15 July 2015, pp. 839–844.
- [233] L. Yliniemi and K. Tumer, "Complete multi-objective coverage with paccet," in GECCO Companion '15: Proceedings of the Companion Publication of the 2015 on Genetic and Evolutionary Computation Conference, S. Silva, A. I. Esparcia-Alcazar, M. Lopez-Ibanez, S. Mostaghim, J. Timmis, C. Zarges, L. Correia, T. Soule, M. Giacobini, R. Urbanowicz, Y. Akimoto, T. Glasmachers, F. Fernandez de Vega, A. Hoover, P. Larranaga, M. Soto, C. Cotta, F. B. Pereira, J. Handl, J. Koutnik, A. Gaspar-Cunha, H. Trautmann, J.-B. Mouret, S. Risi, E. Costa, O. Schuetze, K. Krawiec, A. Moraglio, J. F. Miller, P. Widera, S. Cagnoni, J. Merelo, E. Hart, L. Trujillo, M. Keswsentini, G. Ochoa, F. Chicano, and C. Doerr, Eds. Madrid, Spain: ACM, 11-15 July 2015, pp. 1525–1526.
- [234] P. Zahadat, H. Hamann, and T. Schmickl, "Evolving diverse collective behaviors independent of swarm density," in *GECCO 2015 Evolving Collective Behaviors in Robotics (ECBR'15) Workshop*, A. Prieto, N. Bredeche, and E. Haasdijk, Eds. Madrid, Spain: ACM, 11-15 July 2015, pp. 1245–1246.
- [235] J. Zegklitz and P. Posik, "Model selection and overfitting in genetic programming: Empirical study," in GECCO Companion '15: Proceedings of the Companion Publication of the 2015 on Genetic and Evolutionary Computation Conference, S. Silva, A. I. Esparcia-Alcazar, M. Lopez-Ibanez, S. Mostaghim, J. Timmis, C. Zarges, L. Correia, T. Soule, M. Giacobini, R. Urbanowicz, Y. Akimoto, T. Glasmachers, F. Fernandez de Vega, A. Hoover, P. Larranaga, M. Soto, C. Cotta, F. B. Pereira, J. Handl, J. Koutnik, A. Gaspar-Cunha, H. Trautmann, J.-B. Mouret, S. Risi, E. Costa, O. Schuetze, K. Krawiec, A. Moraglio, J. F. Miller, P. Widera, S. Cagnoni, J. Merelo, E. Hart, L. Trujillo, M. Keswsentini, G. Ochoa, F. Chicano, and C. Doerr, Eds. Madrid, Spain: ACM, 11-15 July 2015, pp. 1527–1528.
- [236] —, "Symbolic regression by grammar-based multi-gene genetic programming," in *GECCO'15 Student Workshop*, T. Tusar and B. Naujoks, Eds. Madrid, Spain: ACM, 11-15 July 2015, pp. 1217–1220.
- [237] M. Zhang and S. Cagnoni, "Evolutionary image analysis, signal processing and pattern recognition," in *GECCO 2015 Advanced Tutorials*, A. Simoes, Ed. Madrid, Spain: ACM, 11-15 July 2015, pp. 473–502.

- [238] M. Zhang and Y. Deng, "An improved artificial fish swarm algorithm in image segmentation application," in *GECCO 2015 Late-Breaking Abstracts*, D. Sudholt, Ed. Madrid, Spain: ACM, 11-15 July 2015, pp. 781–782.
- [239] J. Zheng, H. Bai, R. Shen, and M. Li, "A comparative study use of otl for many-objective optimization," in GECCO Companion '15: Proceedings of the Companion Publication of the 2015 on Genetic and Evolutionary Computation Conference, S. Silva, A. I. Esparcia-Alcazar, M. Lopez-Ibanez, S. Mostaghim, J. Timmis, C. Zarges, L. Correia, T. Soule, M. Giacobini, R. Urbanowicz, Y. Akimoto, T. Glasmachers, F. Fernandez de Vega, A. Hoover, P. Larranaga, M. Soto, C. Cotta, F. B. Pereira, J. Handl, J. Koutnik, A. Gaspar-Cunha, H. Trautmann, J.-B. Mouret, S. Risi, E. Costa, O. Schuetze, K. Krawiec, A. Moraglio, J. F. Miller, P. Widera, S. Cagnoni, J. Merelo, E. Hart, L. Trujillo, M. Keswsentini, G. Ochoa, F. Chicano, and C. Doerr, Eds. Madrid, Spain: ACM, 11-15 July 2015, pp. 1411-1412.