Список литературы

- [Akimoto & Auger (2015)] Akimoto, Y. & Auger, A. (2015). Theory of evolution strategies and related algorithms. In A. Simoes (Ed.), *GECCO 2015 Advanced Tutorials*. Madrid, Spain: ACM, 575–588.
- [Akimoto et al.(2015)Akimoto, Auger, & Hansen] Akimoto, Y., Auger, A., & Hansen, N. (2015). Continuous optimization and cma-es. In A. Simoes (Ed.), GECCO 2015 Introductory Tutorials. Madrid, Spain: ACM, 313–344.
- [Alba(2015)] Alba, E. (2015). Intelligent systems for smart cities. In A. Simoes (Ed.), GECCO 2015 Specialized Tutorials. Madrid, Spain: ACM, 707–722.
- [Aljawawdeh et al.(2015)Aljawawdeh, Simons, & Odeh] Aljawawdeh, H. J., Simons, C. L., & Odeh, M. (2015). Metaheuristic design pattern: Preference. In C. Simons, J. Swan, K. Krawiec, D. Tauritz, & J. Smith (Eds.), GECCO 2015 2nd Workshop on Metaheuristic Design Patterns (MetaDeeP'15). Madrid, Spain: ACM, 1257–1260.
- [Altin et al.(2015)Altin, Topcuoglu, & Ermis] Altin, L., Topcuoglu, H. R., & Ermis, M. (2015). Evolutionary dynamic optimization techniques for marine contamination problem. In F. W. Moore & N. Zincir-Heywood (Eds.), SecDef'2015 Workshop on genetic and evolutionary computation in defense, security and risk management. Madrid, Spain: ACM, 889–892.
- [Alyahya & Rowe(2015)] Alyahya, K. & Rowe, J. E. (2015). Landscape properties of the 0-1 knapsack problem. In 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, & C. Doerr (Eds.), GECCO Companion '15: Proceedings of the Companion Publication of the 2015 on Genetic and Evolutionary Computation Conference. Madrid, Spain: ACM, 1343–1344.
- [Ameca-Alducin et al. (2015) Ameca-Alducin, Mezura-Montes, & Cruz-Ramirez] Ameca-Alducin, M.-Y., Mezura-Montes, E., & Cruz-Ramirez, N. (2015). Differential evolution with a repair method to solve dynamic constrained optimization problems. In T. Tusar & B. Naujoks (Eds.), GECCO'15 Student Workshop. Madrid, Spain: ACM, 1169–1172.
- [Araujo et al.(2015) Araujo, Martinez-Romo, & Duque] Araujo, L., Martinez-Romo, J., & Duque, A. (2015). Grammatical evolution for identifying wikipedia taxonomies. In 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, & C. Doerr (Eds.), GECCO Companion '15: Proceedings of the Companion Publication of the 2015 on Genetic and Evolutionary Computation Conference. Madrid, Spain: ACM, 1345–1346.
- [Astete-Morales et al.(2015) Astete-Morales, Cauwet, & Teytaud] Astete-Morales, S., Cauwet, M.-L., & Teytaud, O. (2015). Criteria and convergence rates in noisy optimization. In 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, & C. Doerr (Eds.), GECCO Companion '15: Proceedings of the Companion Publication of the 2015 on Genetic and Evolutionary Computation Conference. Madrid, Spain: ACM, 1347–1348.
- [Atamna(2015)] Atamna, A. (2015). Benchmarking ipop-cma-es-tpa and ipop-cma-es-msr on the bbob noiseless testbed. In Y. Akimoto, A. Auger, D. Brockhoff, N. Hansen, O. Mersmann, & P. Posik

- (Eds.), Black Box Optimization Benchmarking (BBOB 2015) Workshop. Madrid, Spain: ACM, 1135–1142.
- [Atilgan & Hu(2015)] Atilgan, E. & Hu, J. (2015). A combinatorial genetic algorithm for computational doping based material design. In 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, & C. Doerr (Eds.), GECCO Companion '15: Proceedings of the Companion Publication of the 2015 on Genetic and Evolutionary Computation Conference. Madrid, Spain: ACM, 1349–1350.
- [Auerbach et al.(2015)Auerbach, Heitz, Kornatowski, & Floreano] Auerbach, J. E., Heitz, G., Kornatowski, P. M., & Floreano, D. (2015). Rapid evolution of robot gaits. In D. Sudholt (Ed.), GECCO 2015 Late-Breaking Abstracts. Madrid, Spain: ACM, 743–744.
- [Ayodele et al.(2015)Ayodele, McCall, & Regnier-Coudert] Ayodele, M., McCall, J., & Regnier-Coudert, O. (2015). Probabilistic model enhanced genetic algorithm for multi-mode resource constrained project scheduling problem. In D. Sudholt (Ed.), GECCO 2015 Late-Breaking Abstracts. Madrid, Spain: ACM, 745–746.
- [Bajer et al.(2015a)Bajer, Pitra, & Holena] Bajer, L., Pitra, Z., & Holena, M. (2015a). Benchmarking gaussian processes and random forests surrogate models on the bbob noiseless testbed. In Y. Akimoto, A. Auger, D. Brockhoff, N. Hansen, O. Mersmann, & P. Posik (Eds.), Black Box Optimization Benchmarking (BBOB 2015) Workshop. Madrid, Spain: ACM, 1143–1150.
- [Bajer et al.(2015b)Bajer, Pitra, & Holena] Bajer, L., Pitra, Z., & Holena, M. (2015b). Investigation of gaussian processes and random forests as surrogate models for evolutionary black-box optimization. In 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, & C. Doerr (Eds.), GECCO Companion '15: Proceedings of the Companion Publication of the 2015 on Genetic and Evolutionary Computation Conference. Madrid, Spain: ACM, 1351–1352.
- [Baldominos et al.(2015)Baldominos, Saez, & Isasi] Baldominos, A., Saez, Y., & Isasi, P. (2015).
 Feature set optimization for physical activity recognition using genetic algorithms. In S. L. Smith, S. Cagnoni, & R. M. Patton (Eds.), GECCO 2015 Medical Applications of Genetic and Evolutionary Computation (MedGEC'15) Workshop. Madrid, Spain: ACM, 1311–1318.
- [Bankovic & Lopez-Garcia(2015)] Bankovic, Z. & Lopez-Garcia, P. (2015). Energy efficient allocation and scheduling for dvfs-enabled multicore environments using a multiobjective evolutionary algorithm. In 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, & C. Doerr (Eds.), GECCO Companion '15: Proceedings of the Companion Publication of the 2015 on Genetic and Evolutionary Computation Conference. Madrid, Spain: ACM, 1353–1354.
- [Benbassat & Henik(2015)] Benbassat, A. & Henik, A. (2015). Examining the stroop effect using a develomental spatial neuroevolution system. In D. Sudholt (Ed.), *GECCO 2015 Late-Breaking Abstracts*. Madrid, Spain: ACM, 747–748.
- [Berger et al.(2015)Berger, Andino, Danise, & Rieffel] Berger, B., Andino, A., Danise, A., & Rieffel, J. (2015). Growing and evolving vibrationally actuated soft robots. In T. Tusar & B. Naujoks (Eds.), GECCO'15 Student Workshop. Madrid, Spain: ACM, 1221–1224.

- [Bernatskiy & Bongard (2015)] Bernatskiy, A. & Bongard, J. C. (2015). Exploiting the relationship between structural modularity and sparsity for faster network evolution. In T. Tusar & B. Naujoks (Eds.), GECCO'15 Student Workshop. Madrid, Spain: ACM, 1173–1176.
- [Berny(2015)] Berny, A. (2015). Herding evolutionary algorithm. In 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, & C. Doerr (Eds.), GECCO Companion '15: Proceedings of the Companion Publication of the 2015 on Genetic and Evolutionary Computation Conference. Madrid, Spain: ACM, 1355–1356.
- [bin Wang et al.(2015)bin Wang, Chen, Zhang, & Lin] bin Wang, J., Chen, W.-N., Zhang, J., & Lin, Y. (2015). A dimension-decreasing particle swarm optimization method for portfolio optimization. In 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, & C. Doerr (Eds.), GECCO Companion '15: Proceedings of the Companion Publication of the 2015 on Genetic and Evolutionary Computation Conference. Madrid, Spain: ACM, 1515–1516.
- [Bokhari & Wagner (2015)] Bokhari, M. & Wagner, M. (2015). Improving test coverage of formal verification systems via beam search. In 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, & C. Doerr (Eds.), GECCO Companion '15: Proceedings of the Companion Publication of the 2015 on Genetic and Evolutionary Computation Conference. Madrid, Spain: ACM, 1357–1358.
- [Boussaa et al.(2015)Boussaa, Barais, Sunye, & Baudry] Boussaa, M., Barais, O., Sunye, G., & Baudry, B. (2015). A novelty search-based test data generator for object-oriented programs. In 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, & C. Doerr (Eds.), GECCO Companion '15: Proceedings of the Companion Publication of the 2015 on Genetic and Evolutionary Computation Conference. Madrid, Spain: ACM, 1359–1360.
- [Bozdogan et al.(2015)Bozdogan, Gokcen, & Zincir] Bozdogan, C., Gokcen, Y., & Zincir, I. (2015). A preliminary investigation on the identification of peer to peer network applications. In F. W. Moore & N. Zincir-Heywood (Eds.), SecDef'2015 Workshop on genetic and evolutionary computation in defense, security and risk management. Madrid, Spain: ACM, 883–888.
- [Bredeche et al.(2015a)Bredeche, Doncieux, & Mouret] Bredeche, N., Doncieux, S., & Mouret, J.-B. (2015a). Tutorial on evolutionary robotics. In A. Simoes (Ed.), GECCO 2015 Introductory Tutorials. Madrid, Spain: ACM, 231–261.
- [Bredeche et al.(2015b)Bredeche, Haasdijk, & Prieto] Bredeche, N., Haasdijk, E., & Prieto, A. (2015b). Elements of embodied evolutionary robotics. In A. Prieto, N. Bredeche, & E. Haasdijk (Eds.), GECCO 2015 Evolving Collective Behaviors in Robotics (ECBR'15) Workshop. Madrid, Spain: ACM, 1247–1247.

- [Brizuela et al.(2015)Brizuela, Corona, Lezcano, Rodriguez, & Colbes] Brizuela, C., Corona, R. I., Lezcano, C., Rodriguez, D., & Colbes, J. D. (2015). An experimental analysis of the performance of sidechain packing algorithms. In J. Santos, J. Handl, & A. Shehu (Eds.), GECCO 2015 Workshop on Evolutionary Computation in Computational Structural Biology. Madrid, Spain: ACM, 929–933.
- [Brockhoff et al.(2015)Brockhoff, Bischl, & Wagner] Brockhoff, D., Bischl, B., & Wagner, T. (2015). The impact of initial designs on the performance of matsumoto on the noiseless bbob-2015 testbed: A preliminary study. In Y. Akimoto, A. Auger, D. Brockhoff, N. Hansen, O. Mersmann, & P. Posik (Eds.), Black Box Optimization Benchmarking (BBOB 2015) Workshop. Madrid, Spain: ACM, 1159–1166.
- [Brockhoff & Wagner (2015)] Brockhoff, D. & Wagner, T. (2015). Tutorial on evolutionary multiobjective optimization. In A. Simoes (Ed.), *GECCO 2015 Introductory Tutorials*. Madrid, Spain: ACM, 37–63.
- [Brookhouse & Otero(2015)] Brookhouse, J. & Otero, F. E. (2015). Discovering regression rules with ant colony optimization. In K. Kuber, M. Nakata, & K. Shafi (Eds.), GECCO 2015 Evolutionary Rule-based Machine Learning (formerly the International Workshop on Learning Classifier Systems). Madrid, Spain: ACM, 1005–1012.
- [Brownlee et al.(2015)Brownlee, Woodward, & Swan] Brownlee, A. E., Woodward, J. R., & Swan, J. (2015). Metaheuristic design pattern: Surrogate fitness functions. In C. Simons, J. Swan, K. Krawiec, D. Tauritz, & J. Smith (Eds.), GECCO 2015 2nd Workshop on Metaheuristic Design Patterns (MetaDeeP'15). Madrid, Spain: ACM, 1261–1264.
- [Bruce(2015)] Bruce, B. R. (2015). Energy optimisation via genetic improvement: A sbse technique for a new era in software development. In W. B. Langdon, D. R. White, & J. Petke (Eds.), *Genetic Improvement 2015 Workshop*. Madrid, Spain: ACM, 819–820.
- [Burles et al.(2015)Burles, Swan, Bowles, Brownlee, Kocsis, & Veerapen] Burles, N., Swan, J., Bowles, E., Brownlee, A. E., Kocsis, Z. A., & Veerapen, N. (2015). Embedded dynamic improvement. In W. B. Langdon, D. R. White, & J. Petke (Eds.), Genetic Improvement 2015 Workshop. Madrid, Spain: ACM, 831–832.
- [Buzdalov & Parfenov(2015)] Buzdalov, M. & Parfenov, V. (2015). Various degrees of steadiness in nsga-ii and their influence on the quality of results. In D. Sudholt (Ed.), *GECCO 2015 Late-Breaking Abstracts*. Madrid, Spain: ACM, 749–750.
- [Buzdalova et al.(2015)Buzdalova, Matveeva, & Korneev] Buzdalova, A., Matveeva, A., & Korneev, G. (2015). Selection of auxiliary objectives with multi-objective reinforcement learning. In T. Tusar & B. Naujoks (Eds.), GECCO'15 Student Workshop. Madrid, Spain: ACM, 1177–1180.
- [Cabassi & Locatelli(2015)] Cabassi, F. & Locatelli, M. (2015). A computational comparison of memetic differential evolution approaches. In T. Tusar & B. Naujoks (Eds.), GECCO'15 Student Workshop. Madrid, Spain: ACM, 1181–1184.
- [Cantoro et al.(2015) Cantoro, Gaudesi, Sanchez, & Squillero] Cantoro, R., Gaudesi, M., Sanchez, E., & Squillero, G. (2015). Exploiting evolutionary computation in an industrial flow for the development of code-optimized microprocessor test programs. In 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, & C. Doerr (Eds.), GECCO Companion '15: Proceedings of the Companion Publication of the 2015 on Genetic and Evolutionary Computation Conference. Madrid, Spain: ACM, 1465–1466.
- [Cardenas-Montes et al.(2015)Cardenas-Montes, Vega-Rodriguez, Rodriguez-Vazquez, & Gomez-Iglesias] Cardenas-Montes, M., Vega-Rodriguez, M. A., Rodriguez-Vazquez, J. J., & Gomez-Iglesias, A.

- (2015). A comparison exercise on parallel evaluation of rosenbrock function. In 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, & C. Doerr (Eds.), GECCO Companion '15: Proceedings of the Companion Publication of the 2015 on Genetic and Evolutionary Computation Conference. Madrid, Spain: ACM, 1361–1362.
- [Chaabani et al.(2015)Chaabani, Bechikh, Ben Said, & Azzouz] Chaabani, A., Bechikh, S., Ben Said, L., & Azzouz, R. (2015). An improved co-evolutionary decomposition-based algorithm for bi-level combinatorial optimization. In 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, & C. Doerr (Eds.), GECCO Companion '15: Proceedings of the Companion Publication of the 2015 on Genetic and Evolutionary Computation Conference. Madrid, Spain: ACM, 1363–1364.
- [Chabin et al.(2015)Chabin, Tonda, & Lutton] Chabin, T., Tonda, A., & Lutton, E. (2015). Is global sensitivity analysis useful to evolutionary computation? In 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, & C. Doerr (Eds.), GECCO Companion '15: Proceedings of the Companion Publication of the 2015 on Genetic and Evolutionary Computation Conference. Madrid, Spain: ACM, 1365–1366.
- [Chebbi & Chaouachi(2015)] Chebbi, O. & Chaouachi, J. (2015). Evolutionary approach for minimizing consumed energy in a personal rapid transit transportation system with a multi-depot network topology: Minimizing consumed energy in a prt system with a multi-depot network topology. In D. Sudholt (Ed.), GECCO 2015 Late-Breaking Abstracts. Madrid, Spain: ACM, 751–752.
- [Chen et al.(2015a)Chen, Lee, & Hsiao] Chen, L.-Y., Lee, P.-M., & Hsiao, T.-C. (2015a). Dynamically adding sensors to the xcs in multistep problems: A sensor tagging approach. In 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, & C. Doerr (Eds.), GECCO Companion '15: Proceedings of the Companion Publication of the 2015 on Genetic and Evolutionary Computation Conference. Madrid, Spain: ACM, 1367–1368.
- [Chen et al.(2015b)Chen, Lee, & Hsiao] Chen, L.-Y., Lee, P.-M., & Hsiao, T.-C. (2015b). A novel representation of classifier conditions named sensory tag for the xcs in multistep problems. In K. Kuber, M. Nakata, & K. Shafi (Eds.), GECCO 2015 Evolutionary Rule-based Machine Learning (formerly the International Workshop on Learning Classifier Systems). Madrid, Spain: ACM, 973–980.
- [Chennupati et al.(2015a) Chennupati, Azad, & Ryan] Chennupati, G., Azad, R. M. A., & Ryan, C. (2015a). On the automatic generation of efficient parallel iterative sorting algorithms. In 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, & C. Doerr (Eds.), GECCO Companion '15: Proceedings of the Companion Publication of the 2015 on Genetic and Evolutionary Computation Conference. Madrid, Spain: ACM, 1369–1370.
- [Chennupati et al.(2015b) Chennupati, Azad, & Ryan] Chennupati, G., Azad, R. M. A., & Ryan, C. (2015b). Synthesis of parallel iterative sorts with multi-core grammatical evolution. In J. Woodward, D. Tauritz, & M. Lopez-Ibanez (Eds.), GECCO 2015 5th Workshop on Evolutionary Computation for the Automated Design of Algorithms (ECADA'15). Madrid, Spain: ACM, 1059–1066.
- [Chivilikhin et al.(2015)Chivilikhin, Ivanov, & Shalyto] Chivilikhin, D., Ivanov, I., & Shalyto, A. (2015). Inferring temporal properties of finite-state machine models with genetic programming. In T. Tusar & B. Naujoks (Eds.), GECCO'15 Student Workshop. Madrid, Spain: ACM, 1185–1188.
- [Christmas(2015)] Christmas, J. (2015). Genetic c programming with probabilistic evaluation. In 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, & C. Doerr (Eds.), GECCO Companion '15: Proceedings of the Companion Publication of the 2015 on Genetic and Evolutionary Computation Conference. Madrid, Spain: ACM, 1371-1372.
- [Cody-Kenny et al.(2015)Cody-Kenny, Galvan-Lopez, & Barrett] Cody-Kenny, B., Galvan-Lopez, E., & Barrett, S. (2015). locogp: Improving performance by genetic programming java source code. In W. B. Langdon, D. R. White, & J. Petke (Eds.), Genetic Improvement 2015 Workshop. Madrid, Spain: ACM, 811–818.
- [Coello Coello (2015)] Coello Coello, C. A. (2015). Constraint-handling techniques used with evolutionary algorithms. In A. Simoes (Ed.), *GECCO 2015 Advanced Tutorials*. Madrid, Spain: ACM, 367–389.
- [Cruz et al.(2015)Cruz, Machado, Assuncao, & Leitao] Cruz, A., Machado, P., Assuncao, F., & Leitao, A. (2015). Elicit: Evolutionary computation visualization. In D. Walker, R. Everson, & J. Fieldsend (Eds.), 6th Workshop on Visualisation Methods in Genetic and Evolutionary Computation (VizGEC 2015). Madrid, Spain: ACM, 949–956.
- [Cussat-Blanc & Banzhaf(2015)] Cussat-Blanc, S. & Banzhaf, W. (2015). Introduction to gene regulatory networks. In A. Simoes (Ed.), GECCO 2015 Advanced Tutorials. Madrid, Spain: ACM, 589–601.
- [Cutillas-Lozano et al.(2015)Cutillas-Lozano, Franco, & Gimenez] Cutillas-Lozano, J.-M., Franco, M.-A., & Gimenez, D. (2015). Comparing variable width backtracking and metaheuristics, experiments with the maximum diversity problem. In D. Sudholt (Ed.), GECCO 2015 Late-Breaking Abstracts. Madrid, Spain: ACM, 753–754.
- [Davila(2015)] Davila, J. J. (2015). An empirical comparison of genetically evolved programs and evolved neural networks for multi-agent systems operating under dynamic environments. In 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, & C. Doerr (Eds.), GECCO Companion '15: Proceedings of the Companion Publication of the 2015 on Genetic and Evolutionary Computation Conference. Madrid, Spain: ACM, 1373–1374.

- [de Bokx et al.(2015)de Bokx, Thierens, & Bosman] de Bokx, R., Thierens, D., & Bosman, P. A. (2015). In search of optimal linkage trees. In 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, & C. Doerr (Eds.), GECCO Companion '15: Proceedings of the Companion Publication of the 2015 on Genetic and Evolutionary Computation Conference. Madrid, Spain: ACM, 1375–1376.
- [De Jong(2015)] De Jong, K. A. (2015). Evolutionary computation: A unified approach. In A. Simoes (Ed.), GECCO 2015 Introductory Tutorials. Madrid, Spain: ACM, 21–35.
- [de las Cuevas Delgado et al. (2015) de las Cuevas Delgado, Merelo, & Garcia Sanchez] de las Cuevas Delgado, P., Merelo, J. J., & Garcia Sanchez, P. (2015). Soft computing techniques applied to corporate and personal security. In T. Tusar & B. Naujoks (Eds.), GECCO'15 Student Workshop. Madrid, Spain: ACM, 1193–1196.
- [Decock et al.(2015)Decock, Liu, & Tetaud] Decock, J., Liu, J., & Tetaud, O. (2015). Variance reduction in population-based optimization: Application to unit commitment. In 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, & C. Doerr (Eds.), GECCO Companion '15: Proceedings of the Companion Publication of the 2015 on Genetic and Evolutionary Computation Conference. Madrid, Spain: ACM, 1377–1378.
- [Decroos et al.(2015)Decroos, De Causmaecker, & Demoen] Decroos, T., De Causmaecker, P., & Demoen, B. (2015). Solving euclidean steiner tree problems with multi swarm optimization. In 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, & C. Doerr (Eds.), GECCO Companion '15: Proceedings of the Companion Publication of the 2015 on Genetic and Evolutionary Computation Conference. Madrid, Spain: ACM, 1379–1380.
- [Degroote & De Causmaecker(2015)] Degroote, H. & De Causmaecker, P. (2015). Towards a knowledge base for performance data: A formal model for performance comparison. In T. Tusar & B. Naujoks (Eds.), GECCO'15 Student Workshop. Madrid, Spain: ACM, 1189–1192.
- [DeVautl et al.(2015)DeVautl, Forrest, Tanimoto, Soule, & Heckendorn] DeVautl, T., Forrest, S., Tanimoto, I., Soule, T., & Heckendorn, R. (2015). Learning from demonstration for distributed, encapsulated evolution of autonomous outdoor robots. In 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, & C. Doerr (Eds.), GECCO Companion '15: Proceedings of the Companion Publication of the 2015 on Genetic and Evolutionary Computation Conference. Madrid, Spain: ACM, 1381–1382.
- [Diaz Alvarez et al. (2015) Diaz Alvarez, Colmenar, Risco-Martin, Lanchares, & Garnica] Diaz Alvarez, J., Colmenar, J. M., Risco-Martin, J. L., Lanchares, J., & Garnica, O. (2015). Optimizing performance of l1 cache memory for embedded systems driven by differential evolution. In 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, & C. Doerr (Eds.), GECCO Companion '15: Proceedings of the Companion Publication of the 2015 on Genetic and Evolutionary Computation Conference. Madrid, Spain: ACM, 1383–1384.
- [Dorfer et al. (2015) Dorfer, Maltsev, Dreiseitl, Mechtler, & Winkler] Dorfer, V., Maltsev, S., Dreiseitl, S., Mechtler, K., & Winkler, S. M. (2015). A symbolic regression based scoring system improving peptide identifications for ms amanda. In S. L. Smith, S. Cagnoni, & R. M. Patton (Eds.), GECCO 2015 Medical Applications of Genetic and Evolutionary Computation (MedGEC'15) Workshop. Madrid, Spain: ACM, 1335–1341.
- [Drugan(2015)] Drugan, M. M. (2015). Synergies between evolutionary algorithms and reinforcement learning. In A. Simoes (Ed.), GECCO 2015 Specialized Tutorials. Madrid, Spain: ACM, 723–740.
- [Du et al.(2015)Du, Ni, & Ye] Du, X., Ni, Y., & Ye, P. (2015). A multi-objective evolutionary algorithm for rule-based performance optimization at software architecture level. In 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, & C. Doerr (Eds.), GECCO Companion '15: Proceedings of the Companion Publication of the 2015 on Genetic and Evolutionary Computation Conference. Madrid, Spain: ACM, 1385–1386.
- [Engelbrecht(2015)] Engelbrecht, A. (2015). Particle swarm optimization. In A. Simoes (Ed.), GECCO 2015 Introductory Tutorials. Madrid, Spain: ACM, 65–91.
- [Fatnassi & Chaouachi(2015)] Fatnassi, E. & Chaouachi, J. (2015). Design and development of a genetic algorithm for the distance constrained vehicle routing problem with environmental issues: Genetic algorithm for the green distance constrained vehicle routing problem. In D. Sudholt (Ed.), GECCO 2015 Late-Breaking Abstracts. Madrid, Spain: ACM, 755–756.
- [Fernandez et al.(2015)Fernandez, Alvarez, Malatsetxebarria, Valledor, & Diaz] Fernandez, S., Alvarez, S., Malatsetxebarria, E., Valledor, P., & Diaz, D. (2015). Performance comparison of ant colony algorithms for the scheduling of steel production lines. In 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, & C. Doerr (Eds.), GECCO Companion '15: Proceedings of the Companion Publication of the 2015 on Genetic and Evolutionary Computation Conference. Madrid, Spain: ACM, 1387–1388.
- [Ffrancon & Schoenauer (2015)] Ffrancon, R. & Schoenauer, M. (2015). Greedy semantic local search for small solutions. In C. Johnson, K. Krawiec, A. Moraglio, & M. O'Neill (Eds.), GECCO 2015 Semantic Methods in Genetic Programming (SMGP'15) Workshop. Madrid, Spain: ACM, 1293–1300.
- [Filipiak et al.(2015)Filipiak, Michalak, & Lipinski] Filipiak, P., Michalak, K., & Lipinski, P. (2015).
 Infeasibility driven evolutionary algorithm with the anticipation mechanism for the reaching goal in dynamic constrained inverse kinematics. In 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, & C. Doerr (Eds.),

- GECCO Companion '15: Proceedings of the Companion Publication of the 2015 on Genetic and Evolutionary Computation Conference. Madrid, Spain: ACM, 1389–1390.
- [Forstenlechner et al.(2015)Forstenlechner, Nicolau, Fagan, & O'Neill] Forstenlechner, S., Nicolau, M., Fagan, D., & O'Neill, M. (2015). Introducing semantic-clustering selection in grammatical evolution. In C. Johnson, K. Krawiec, A. Moraglio, & M. O'Neill (Eds.), GECCO 2015 Semantic Methods in Genetic Programming (SMGP'15) Workshop. Madrid, Spain: ACM, 1277–1284.
- [Freitas et al.(2015)Freitas, Garrozi, & Valenca] Freitas, J. S., Garrozi, C., & Valenca, M. (2015). Insertion of artificial individuals to increase the diversity of multiobjective evolutionary algorithms. In 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, & C. Doerr (Eds.), GECCO Companion '15: Proceedings of the Companion Publication of the 2015 on Genetic and Evolutionary Computation Conference. Madrid, Spain: ACM, 1391–1392.
- [Gabler et al.(2015)Gabler, Colby, & Tumer] Gabler, A., Colby, M., & Tumer, K. (2015). Learning based control of a fuel cell turbine hybrid power system. In 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, & C. Doerr (Eds.), GECCO Companion '15: Proceedings of the Companion Publication of the 2015 on Genetic and Evolutionary Computation Conference. Madrid, Spain: ACM, 1393-1394.
- [Gaier(2015)] Gaier, A. (2015). Evolutionary design via indirect encoding of non-uniform rational basis splines. In T. Tusar & B. Naujoks (Eds.), *GECCO'15 Student Workshop*. Madrid, Spain: ACM, 1197–1200.
- [Gao et al.(2015)Gao, Pourhassan, & Neumann] Gao, W., Pourhassan, M., & Neumann, F. (2015).
 Runtime analysis of evolutionary diversity optimization and the vertex cover problem. In 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, & C. Doerr (Eds.), GECCO Companion '15: Proceedings of the Companion Publication of the 2015 on Genetic and Evolutionary Computation Conference. Madrid, Spain: ACM, 1395–1396.
- [Garza-Fabre et al.(2015)Garza-Fabre, Kandathil, Handl, Knowles, & Lovell] Garza-Fabre, M., Kandathil, S. M., Handl, J., Knowles, J. D., & Lovell, S. C. (2015). Using machine learning to explore the relevance of local and global features during conformational search in rosetta. In J. Santos, J. Handl, & A. Shehu (Eds.), GECCO 2015 Workshop on Evolutionary Computation in Computational Structural Biology. Madrid, Spain: ACM, 935–938.
- [Garzon-Rodriguez et al.(2015)Garzon-Rodriguez, Diosa, & Rojas-Galeano] Garzon-Rodriguez, L. P., Diosa, H. A., & Rojas-Galeano, S. (2015). Deconstructing gas into visual software components. In S. Wagner & M. Affenzeller (Eds.), GECCO 2015 Workshop on Evolutionary Computation Software Systems (EvoSoft'15). Madrid, Spain: ACM, 1125–1132.
- [Gaudesi et al.(2015)Gaudesi, Marcelli, Sanchez, Squillero, & Tonda] Gaudesi, M., Marcelli, A., Sanchez, E., Squillero, G., & Tonda, A. (2015). Malware obfuscation through evolutionary packers. In D. Sudholt (Ed.), GECCO 2015 Late-Breaking Abstracts. Madrid, Spain: ACM, 757–758.

- [Ghassemi Toosi et al.(2015)Ghassemi Toosi, Nikolov, & Eaton] Ghassemi Toosi, F., Nikolov, N. S., & Eaton, M. (2015). Evolving smart initial layouts for force-directed graph drawing. In 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, & C. Doerr (Eds.), GECCO Companion '15: Proceedings of the Companion Publication of the 2015 on Genetic and Evolutionary Computation Conference. Madrid, Spain: ACM, 1397–1398.
- [Golemo et al. (2015) Golemo, Markovic, Schoormans, De Jonge, Couwenberg, & Haasdijk] Golemo, F., Markovic, M., Schoormans, J., De Jonge, P., Couwenberg, M., & Haasdijk, E. (2015). Simulating morphological evolution in large robot populations. In A. Prieto, N. Bredeche, & E. Haasdijk (Eds.), GECCO 2015 Evolving Collective Behaviors in Robotics (ECBR'15) Workshop. Madrid, Spain: ACM, 1249–1250.
- [Gomes et al.(2015)Gomes, Mariano, & Christensen] Gomes, J., Mariano, P., & Christensen, A. L. (2015). Hyb-ccea: Cooperative coevolution of hybrid teams. In A. Prieto, N. Bredeche, & E. Haasdijk (Eds.), GECCO 2015 Evolving Collective Behaviors in Robotics (ECBR'15) Workshop. Madrid, Spain: ACM, 1251–1252.
- [Gorji Sefidmazgi et al.(2015)Gorji Sefidmazgi, Moradi Kordmahalleh, & Homaifar] Gorji Sefidmazgi, M., Moradi Kordmahalleh, M., & Homaifar, A. (2015). Identification of switched models in non-stationary time series based on coordinate-descent and genetic algorithm. In 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, & C. Doerr (Eds.), GECCO Companion '15: Proceedings of the Companion Publication of the 2015 on Genetic and Evolutionary Computation Conference. Madrid, Spain: ACM, 1399–1400.
- [Graham et al.(2015)Graham, Swan, & Martin] Graham, K., Swan, J., & Martin, S. (2015). The 'blackboard pattern' for metaheuristics. In C. Simons, J. Swan, K. Krawiec, D. Tauritz, & J. Smith (Eds.), GECCO 2015 2nd Workshop on Metaheuristic Design Patterns (MetaDeeP'15). Madrid, Spain: ACM, 1265–1267.
- [Haddadi & Zincir-Heywood(2015)] Haddadi, F. & Zincir-Heywood, A. N. (2015). Botnet detection system analysis on the effect of botnet evolution and feature representation. In F. W. Moore & N. Zincir-Heywood (Eds.), SecDef'2015 - Workshop on genetic and evolutionary computation in defense, security and risk management. Madrid, Spain: ACM, 893–900.
- [Hamann(2015)] Hamann, H. (2015). Evolution of collective behaviors by minimizing surprisal and by micro-macro links. In A. Prieto, N. Bredeche, & E. Haasdijk (Eds.), GECCO 2015 Evolving Collective Behaviors in Robotics (ECBR'15) Workshop. Madrid, Spain: ACM, 1253–1253.
- [Haraldsson & Woodward (2015)] Haraldsson, S. O. & Woodward, J. R. (2015). Genetic improvement of energy usage is only as reliable as the measurements are accurate. In W. B. Langdon, D. R. White, & J. Petke (Eds.), Genetic Improvement 2015 Workshop. Madrid, Spain: ACM, 821–822.
- [Harman & Petke (2015)] Harman, M. & Petke, J. (2015). Gi4gi: Improving genetic improvement fitness functions. In W. B. Langdon, D. R. White, & J. Petke (Eds.), Genetic Improvement 2015 Workshop. Madrid, Spain: ACM, 793–794.
- [Harris et al.(2015)Harris, Bueter, & Tauritz] Harris, S., Bueter, T., & Tauritz, D. R. (2015). A comparison of genetic programming variants for hyper-heuristics. In J. Woodward, D. Tauritz, & M. Lopez-Ibanez (Eds.), GECCO 2015 5th Workshop on Evolutionary Computation for the Automated Design of Algorithms (ECADA'15). Madrid, Spain: ACM, 1043–1050.

- [Hasegawa et al.(2015)Hasegawa, Tsukada, Mori, & Matsumoto] Hasegawa, T., Tsukada, K., Mori, N., & Matsumoto, K. (2015). Adaptive evolution control with p-i similarity index for surrogate-assisted evolutionary computation. In D. Sudholt (Ed.), GECCO 2015 Late-Breaking Abstracts. Madrid, Spain: ACM, 759–760.
- [Heinerman (2015)] Heinerman, J. (2015). Collective sharing of knowledge in a dream. In A. Prieto, N. Bredeche, & E. Haasdijk (Eds.), *GECCO 2015 Evolving Collective Behaviors in Robotics (ECBR'15) Workshop*. Madrid, Spain: ACM, 1243–1244.
- [Heywood & Krawiec (2015)] Heywood, M. I. & Krawiec, K. (2015). Solving complex problems with coevolutionary algorithms. In A. Simoes (Ed.), *GECCO 2015 Advanced Tutorials*. Madrid, Spain: ACM, 547–573.
- [Hruska & Kubalik (2015)] Hruska, F. & Kubalik, J. (2015). Selection hyper-heuristic using a portfolio of derivative heuristics. In 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, & C. Doerr (Eds.), GECCO Companion '15: Proceedings of the Companion Publication of the 2015 on Genetic and Evolutionary Computation Conference. Madrid, Spain: ACM, 1401–1402.
- [Inostroza-Ponta et al.(2015)] Inostroza-Ponta, Farfan, & Dorn Inostroza-Ponta, M., Farfan, C., & Dorn, M. (2015). A memetic algorithm for protein structure prediction based on conformational preferences of aminoacid residues. In 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, & C. Doerr (Eds.), GECCO Companion '15: Proceedings of the Companion Publication of the 2015 on Genetic and Evolutionary Computation Conference. Madrid, Spain: ACM, 1403–1404.
- [Izidoro et al.(2015) Izidoro, Lacerda, & Pappa] Izidoro, S., Lacerda, A. M., & Pappa, G. L. (2015). Megass: Multi-objective genetic active site search. In J. Santos, J. Handl, & A. Shehu (Eds.), GECCO 2015 Workshop on Evolutionary Computation in Computational Structural Biology. Madrid, Spain: ACM, 905–910.
- [Jankee et al.(2015) Jankee, Verel, Derbel, & Flonlupt] Jankee, C., Verel, S., Derbel, B., & Flonlupt, C. (2015). New adaptive selection strategies for distributed adaptive metaheuristic selection. In 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, & C. Doerr (Eds.), GECCO Companion '15: Proceedings of the Companion Publication of the 2015 on Genetic and Evolutionary Computation Conference. Madrid, Spain: ACM, 1405–1406.
- [Jia et al.(2015a)Jia, He, Zhu, Liu, & Tang] Jia, G., He, S., Zhu, Z., Liu, J., & Tang, K. (2015a). A multimodal optimization and surprise based consensus community detection algorithm. In 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, & C. Doerr (Eds.), GECCO Companion '15: Proceedings of the Companion Publication of the 2015 on Genetic and Evolutionary Computation Conference. Madrid, Spain: ACM, 1407–1408.

- [Jia et al.(2015b)Jia, Wu, Harman, & Krinke] Jia, Y., Wu, F., Harman, M., & Krinke, J. (2015b). Genetic improvement using higher order mutation. In W. B. Langdon, D. R. White, & J. Petke (Eds.), Genetic Improvement 2015 Workshop. Madrid, Spain: ACM, 803–804.
- [Jimenez Laredo et al.(2015)Jimenez Laredo, Guinand, Olivier, & Bouvry] Jimenez Laredo, J. L., Guinand, F., Olivier, D., & Bouvry, P. (2015). Trading off resource utilization and task migrations in dynamic load-balancing. In 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, & C. Doerr (Eds.), GECCO Companion '15: Proceedings of the Companion Publication of the 2015 on Genetic and Evolutionary Computation Conference. Madrid, Spain: ACM, 1409-1410.
- [Johnson & Woodward (2015)] Johnson, C. G. & Woodward, J. R. (2015). Fitness as task-relevant information accumulation. In W. B. Langdon, D. R. White, & J. Petke (Eds.), *Genetic Improvement 2015 Workshop*. Madrid, Spain: ACM, 855–856.
- [Jung et al.(2015)Jung, Kim, Yoon, & Moon] Jung, C., Kim, Y.-H., Yoon, Y., & Moon, B.-R. (2015).
 An adeaptive method of hungarian mating schemes in genetic algorithms. In 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, & C. Doerr (Eds.), GECCO Companion '15: Proceedings of the Companion Publication of the 2015 on Genetic and Evolutionary Computation Conference. Madrid, Spain: ACM, 1413–1414.
- [Jungjit & Freitas(2015)] Jungjit, S. & Freitas, A. (2015). A lexicographic multi-objective genetic algorithm for multi-label correlation based feature selection. In K. Kuber, M. Nakata, & K. Shafi (Eds.), GECCO 2015 Evolutionary Rule-based Machine Learning (formerly the International Workshop on Learning Classifier Systems). Madrid, Spain: ACM, 989–996.
- [Karimpour & Ruhe(2015)] Karimpour, R. & Ruhe, G. (2015). A search based approach towards robust optimization in software product line scoping. In 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, & C. Doerr (Eds.), GECCO Companion '15: Proceedings of the Companion Publication of the 2015 on Genetic and Evolutionary Computation Conference. Madrid, Spain: ACM, 1415–1416.
- [Keedwell et al.(2015)Keedwell, Johns, & Savic] Keedwell, E., Johns, M., & Savic, D. (2015). Spatial and temporal visualisation of evolutionary algorithm decisions in water distribution network optimisation. In D. Walker, R. Everson, & J. Fieldsend (Eds.), 6th Workshop on Visualisation Methods in Genetic and Evolutionary Computation (VizGEC 2015). Madrid, Spain: ACM, 941–948.
- [Krynicki & Jaen(2015)] Krynicki, K. & Jaen, J. (2015). Antelements: An extensible and scalable ant colony optimization middleware. In S. Wagner & M. Affenzeller (Eds.), GECCO 2015 Workshop on Evolutionary Computation Software Systems (EvoSoft'15). Madrid, Spain: ACM, 1109–1116.
- [Kumar et al.(2015)Kumar, Jayadeva, & Soman] Kumar, U., Jayadeva, & Soman, S. (2015). Enhancing incremental ant colony algorithm for continuous global optimization. In 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, & C. Doerr (Eds.), *GECCO Companion '15: Proceedings of the Companion Publication of the 2015 on Genetic and Evolutionary Computation Conference*. Madrid, Spain: ACM, 1417–1418.
- [Landsborough et al.(2015)Landsborough, Harding, & Fugate] Landsborough, J., Harding, S., & Fugate, S. (2015). Removing the kitchen sink from software. In W. B. Langdon, D. R. White, & J. Petke (Eds.), Genetic Improvement 2015 Workshop. Madrid, Spain: ACM, 833–838.
- [Langdon & Harman(2015)] Langdon, W. B. & Harman, M. (2015). Grow and graft a better cuda pknotsrg for rna pseudoknot free energy calculation. In W. B. Langdon, D. R. White, & J. Petke (Eds.), Genetic Improvement 2015 Workshop. Madrid, Spain: ACM, 805–810.
- [Lehre & Oliveto(2015)] Lehre, P. K. & Oliveto, P. S. (2015). Runtime analysis of evolutionary algorithms: Basic introduction. In A. Simoes (Ed.), *GECCO 2015 Introductory Tutorials*. Madrid, Spain: ACM, 121–136.
- [Lessin & Risi(2015)] Lessin, D. & Risi, S. (2015). Evolved virtual creatures with soft-body muscles: On a bio-mimetic path to meaningful morphological complexity. In D. Sudholt (Ed.), GECCO 2015 Late-Breaking Abstracts. Madrid, Spain: ACM, 761–762.
- [Li et al.(2015)Li, Chen, Zhan, Du, & Zhang] Li, H.-H., Chen, Z.-G., Zhan, Z.-H., Du, K.-J., & Zhang, J. (2015). Renumber coevolutionary multiswarm particle swarm optimization for multi-objective workflow scheduling on cloud computing environment. In 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, & C. Doerr (Eds.), GECCO Companion '15: Proceedings of the Companion Publication of the 2015 on Genetic and Evolutionary Computation Conference. Madrid, Spain: ACM, 1419–1420.
- [Liang et al.(2015)Liang, Han, Zhaoquan, & Hui] Liang, L., Han, H., Zhaoquan, C., & Hui, H. (2015).
 Using particle swarm large-scale optimization to improve sampling-based image matting. In
 D. Walker, R. Everson, & J. Fieldsend (Eds.), 6th Workshop on Visualisation Methods in Genetic
 and Evolutionary Computation (VizGEC 2015). Madrid, Spain: ACM, 957–961.
- [Liskowski et al.(2015)Liskowski, Krawiec, Helmuth, & Spector] Liskowski, P., Krawiec, K., Helmuth, T., & Spector, L. (2015). Comparison of semantic-aware selection methods in genetic programming. In C. Johnson, K. Krawiec, A. Moraglio, & M. O'Neill (Eds.), GECCO 2015 Semantic Methods in Genetic Programming (SMGP'15) Workshop. Madrid, Spain: ACM, 1301–1307.
- [Lobato et al.(2015)Lobato, Tadaiesky, Araujo, & de Santana] Lobato, F. M., Tadaiesky, V. W., Araujo, I. M., & de Santana, A. L. (2015). An evolutionary missing data imputation method for pattern classification. In K. Kuber, M. Nakata, & K. Shafi (Eds.), GECCO 2015 Evolutionary Rule-based Machine Learning (formerly the International Workshop on Learning Classifier Systems). Madrid, Spain: ACM, 1013–1019.
- [Lobo & Bazargani(2015)] Lobo, F. G. & Bazargani, M. (2015). When hillclimbers beat genetic algorithms in multimodal optimization. In 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, & C. Doerr (Eds.), GECCO Companion '15: Proceedings of the Companion Publication of the 2015 on Genetic and Evolutionary Computation Conference. Madrid, Spain: ACM, 1421–1422.

- [Lopez-Garcia et al.(2015)Lopez-Garcia, Onieva, Osaba, Masegosa, & Perallos] Lopez-Garcia, P., Onieva, E., Osaba, E., Masegosa, A. D., & Perallos, A. (2015). Hybridizing genetic algorithm with cross entropy for solving continuous functions. In D. Sudholt (Ed.), GECCO 2015 Late-Breaking Abstracts. Madrid, Spain: ACM, 763–764.
- [Lopez-Herrejon et al.(2015)Lopez-Herrejon, Linsbauer, Assuncao, Fischer, Vergilio, & Egyed]
 Lopez-Herrejon, R. E., Linsbauer, L., Assuncao, W. K., Fischer, S., Vergilio, S. R., & Egyed,
 A. (2015). Genetic improvement for software product lines: An overview and a roadmap. In
 W. B. Langdon, D. R. White, & J. Petke (Eds.), Genetic Improvement 2015 Workshop. Madrid,
 Spain: ACM, 823–830.
- [Machado et al.(2015)Machado, Neves, & Horta] Machado, J., Neves, R., & Horta, N. (2015). Developing multi-time frame trading rules with a trend following strategy, using ga. In D. Sudholt (Ed.), GECCO 2015 Late-Breaking Abstracts. Madrid, Spain: ACM, 765–766.
- [Madera et al.(2015)Madera, Garcia-Valdez, Castillo, & Mancilla] Madera, Q., Garcia-Valdez, M., Castillo, O., & Mancilla, A. (2015). A method based on interactive evolutionary computation for increasing the effectiveness of advertisement texts. In T. Tusar & B. Naujoks (Eds.), GECCO'15 Student Workshop. Madrid, Spain: ACM, 1225–1228.
- [Margarida & Antunes(2015)] Margarida, D. & Antunes, C. H. (2015). Multi-objective optimization of sensor placement to detect contamination in water distribution networks. In 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, & C. Doerr (Eds.), GECCO Companion '15: Proceedings of the Companion Publication of the 2015 on Genetic and Evolutionary Computation Conference. Madrid, Spain: ACM, 1423–1424.
- [Mariot & Leporati(2015)] Mariot, L. & Leporati, A. (2015). Heuristic search by particle swarm optimization of boolean functions for cryptographic applications. In 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, & C. Doerr (Eds.), GECCO Companion '15: Proceedings of the Companion Publication of the 2015 on Genetic and Evolutionary Computation Conference. Madrid, Spain: ACM, 1425–1426.
- [Marti et al.(2015)Marti, Grimme, Kerschke, Trautmann, & Rudolph] Marti, L., Grimme, C., Kerschke, P., Trautmann, H., & Rudolph, G. (2015). Averaged hausdorff approximations of pareto fronts based on multiobjective estimation of distribution algorithms. In 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, & C. Doerr (Eds.), GECCO Companion '15: Proceedings of the Companion Publication of the 2015 on Genetic and Evolutionary Computation Conference. Madrid, Spain: ACM, 1427–1428.
- [Martin et al.(2015)Martin, Bertels, & Tauritz] Martin, M. A., Bertels, A. R., & Tauritz, D. R. (2015). Asynchronous parallel evolutionary algorithms: Leveraging heterogeneous fitness evaluation times for scalability and elitist parsimony pressure. In 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, & C. Doerr (Eds.), GECCO Companion '15: Proceedings of the Companion Publication of the 2015 on Genetic and Evolutionary Computation Conference. Madrid, Spain: ACM, 1429–1430.
- [Martin & Tauritz(2015)] Martin, M. A. & Tauritz, D. R. (2015). Hyper-heuristics: A study on increasing primitive-space. In J. Woodward, D. Tauritz, & M. Lopez-Ibanez (Eds.), GECCO 2015 5th Workshop on Evolutionary Computation for the Automated Design of Algorithms (ECADA'15). Madrid, Spain: ACM, 1051–1058.
- [Martinez et al.(2015)Martinez, Rossi, Ziadi, Bissyande, Klein, & Le Traon] Martinez, J., Rossi, G., Ziadi, T., Bissyande, T. F. D. A., Klein, J., & Le Traon, Y. (2015). Estimating and predicting average likability on computer-generated artwork variants. In 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, & C. Doerr (Eds.), GECCO Companion '15: Proceedings of the Companion Publication of the 2015 on Genetic and Evolutionary Computation Conference. Madrid, Spain: ACM, 1431–1432.
- [Martins & Delbem(2015)] Martins, J. P. & Delbem, A. C. (2015). Handling crossover bias to improve diversity in multiobjective evolutionary optimization. In 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, & C. Doerr (Eds.), GECCO Companion '15: Proceedings of the Companion Publication of the 2015 on Genetic and Evolutionary Computation Conference. Madrid, Spain: ACM, 1433-1434.
- [McCall et al.(2015)McCall, Christie, & Brownlee] McCall, J. A., Christie, L. A., & Brownlee, A. E. (2015). Generating easy and hard problems using the proximate optimality principle. In D. Sudholt (Ed.), GECCO 2015 Late-Breaking Abstracts. Madrid, Spain: ACM, 767–768.
- [Medernach et al. (2015a) Medernach, Fitzgerald, Azad, & Ryan] Medernach, D., Fitzgerald, J., Azad, R. M. A., & Ryan, C. (2015a). Wave: A genetic programming approach to divide and conquer. In 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, & C. Doerr (Eds.), GECCO Companion '15: Proceedings of the Companion Publication of the 2015 on Genetic and Evolutionary Computation Conference. Madrid, Spain: ACM, 1435–1436.
- [Medernach et al.(2015b)Medernach, Fitzgerald, Azad, & Ryan] Medernach, D., Fitzgerald, J., Azad, R. M. A., & Ryan, C. (2015b). Wave: Incremental erosion of residual error. In C. Johnson, K. Krawiec, A. Moraglio, & M. O'Neill (Eds.), GECCO 2015 Semantic Methods in Genetic Programming (SMGP'15) Workshop. Madrid, Spain: ACM, 1285–1292.
- [Menendez & Camacho(2015)] Menendez, H. D. & Camacho, D. (2015). Mogcla: A multi-objective genetic clustering algorithm for large data analysis. In 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, & C. Doerr (Eds.), GECCO Companion '15: Proceedings of the Companion Publication of the 2015 on Genetic and Evolutionary Computation Conference. Madrid, Spain: ACM, 1437–1438.

- [Merelo-Guervos (2015)] Merelo-Guervos, J. J. (2015). Low or no cost distributed evolutionary computation. In A. Simoes (Ed.), *GECCO 2015 Specialized Tutorials*. Madrid, Spain: ACM, 703–706.
- [Merelo-Guervos & Garcia-Sanchez (2015)] Merelo-Guervos, J. J. & Garcia-Sanchez, P. (2015). Designing and modeling a browser-based distributed evolutionary computation system. In S. Wagner & M. Affenzeller (Eds.), GECCO 2015 Workshop on Evolutionary Computation Software Systems (EvoSoft'15). Madrid, Spain: ACM, 1117–1124.
- [Miikkulainen(2015)] Miikkulainen, R. (2015). Evolving neural networks. In A. Simoes (Ed.), *GECCO* 2015 Introductory Tutorials. Madrid, Spain: ACM, 137–161.
- [Miller & Broersma(2015)] Miller, J. & Broersma, H. (2015). Computational matter: Evolving computational solutions in materials. In D. Sudholt (Ed.), *GECCO 2015 Late-Breaking Abstracts*. Madrid, Spain: ACM, 769–770.
- [Miller & Turner (2015)] Miller, J. & Turner, A. (2015). Cartesian genetic programming. In A. Simoes (Ed.), GECCO 2015 Introductory Tutorials. Madrid, Spain: ACM, 179–198.
- [Mirjalili & Lewis(2015)] Mirjalili, S. & Lewis, A. (2015). A reliable and computationally cheap approach for finding robust optimal solutions. In 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, & C. Doerr (Eds.), GECCO Companion '15: Proceedings of the Companion Publication of the 2015 on Genetic and Evolutionary Computation Conference. Madrid, Spain: ACM, 1439-1440.
- [Mironovich & Buzdalov(2015)] Mironovich, V. & Buzdalov, M. (2015). Hard test generation for maximum flow algorithms with the fast crossover-based evolutionary algorithm. In T. Tusar & B. Naujoks (Eds.), GECCO'15 Student Workshop. Madrid, Spain: ACM, 1229–1232.
- [Miyakawa et al. (2015) Miyakawa, Takadama, & Sato] Miyakawa, M., Takadama, K., & Sato, H. (2015). Control of crossed genes ratio for directed mating in evolutionary constrained multi-objective optimization. In T. Tusar & B. Naujoks (Eds.), GECCO'15 Student Workshop. Madrid, Spain: ACM, 1201–1204.
- [Moraglio & Krawiec (2015)] Moraglio, A. & Krawiec, K. (2015). Semantic genetic programming. In A. Simoes (Ed.), GECCO 2015 Advanced Tutorials. Madrid, Spain: ACM, 603–627.
- [Mousavi Astarabadi & Ebadzadeh(2015)] Mousavi Astarabadi, S. S. & Ebadzadeh, M. M. (2015). Avoiding overfitting in symbolic regression using the first order derivative of gp trees. In 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, & C. Doerr (Eds.), GECCO Companion '15: Proceedings of the Companion Publication of the 2015 on Genetic and Evolutionary Computation Conference. Madrid, Spain: ACM, 1441–1442.
- [Mrazek et al.(2015)Mrazek, Vasicek, & Sekanina] Mrazek, V., Vasicek, Z., & Sekanina, L. (2015). Evolutionary approximation of software for embedded systems: Median function. In W. B. Langdon, D. R. White, & J. Petke (Eds.), Genetic Improvement 2015 Workshop. Madrid, Spain: ACM, 795–801.
- [Mu & Hoos(2015)] Mu, Z. & Hoos, H. H. (2015). Empirical scaling analyser: An automated system for empirical analysis of performance scaling. In D. Sudholt (Ed.), *GECCO 2015 Late-Breaking Abstracts*. Madrid, Spain: ACM, 771–772.

- [Mueller-Bady et al.(2015)Mueller-Bady, Gad, Kappes, & Medina-Bulo] Mueller-Bady, R., Gad, R., Kappes, M., & Medina-Bulo, I. (2015). Using genetic algorithms for deadline-constrained monitor selection in dynamic computer networks. In F. W. Moore & N. Zincir-Heywood (Eds.), SecDef'2015 Workshop on genetic and evolutionary computation in defense, security and risk management. Madrid, Spain: ACM, 867–874.
- [n. Browne(2015)] n. Browne, W. (2015). Back to the future: Learning classifier systems as cognitive systems. In K. Kuber, M. Nakata, & K. Shafi (Eds.), GECCO 2015 Evolutionary Rulebased Machine Learning (formerly the International Workshop on Learning Classifier Systems). Madrid, Spain: ACM, 1037–1037.
- [Najar et al. (2015) Najar, Sigaud, & Chetouani] Najar, A., Sigaud, O., & Chetouani, M. (2015). Socially guided xcs: Using teaching signals to boost learning. In K. Kuber, M. Nakata, & K. Shafi (Eds.), GECCO 2015 Evolutionary Rule-based Machine Learning (formerly the International Workshop on Learning Classifier Systems). Madrid, Spain: ACM, 1021–1028.
- [Nebro et al.(2015)Nebro, Durillo, & Vergne] Nebro, A. J., Durillo, J. J., & Vergne, M. (2015). Redesigning the jmetal multi-objective optimization framework. In S. Wagner & M. Affenzeller (Eds.), GECCO 2015 Workshop on Evolutionary Computation Software Systems (EvoSoft'15). Madrid, Spain: ACM, 1093–1100.
- [Neumann & Sutton(2015)] Neumann, F. & Sutton, A. M. (2015). Parameterized complexity analysis of evolutionary algorithms. In A. Simoes (Ed.), *GECCO 2015 Advanced Tutorials*. Madrid, Spain: ACM, 435–450.
- [Nielsen et al.(2015)Nielsen, Danoy, Bouvry, & Talbi] Nielsen, S. S., Danoy, G., Bouvry, P., & Talbi, E.-G. (2015). Nk landscape instances mimicking the protein inverse folding problem towards future benchmarks. In J. Santos, J. Handl, & A. Shehu (Eds.), GECCO 2015 Workshop on Evolutionary Computation in Computational Structural Biology. Madrid, Spain: ACM, 915–921.
- [Nouri et al. (2015) Nouri, Belkahla Driss, & Ghedira] Nouri, H. E., Belkahla Driss, O., & Ghedira, K. (2015). Metaheuristics based on clustering in a holonic multiagent model for the flexible job shop problem. In K. Kuber, M. Nakata, & K. Shafi (Eds.), GECCO 2015 Evolutionary Rule-based Machine Learning (formerly the International Workshop on Learning Classifier Systems). Madrid, Spain: ACM, 997–1004.
- [Oprescu et al.(2015)Oprescu, (Vintila) Filip, & Kielmann] Oprescu, A.-M., (Vintila) Filip, A., & Kielmann, T. (2015). Fast pareto front approximation for cloud instance pool optimization. In 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, & C. Doerr (Eds.), GECCO Companion '15: Proceedings of the Companion Publication of the 2015 on Genetic and Evolutionary Computation Conference. Madrid, Spain: ACM, 1443–1444.
- [O'Reilly(2015)] O'Reilly, U.-M. (2015). Genetic programming: A tutorial introduction. In A. Simoes (Ed.), GECCO 2015 Introductory Tutorials. Madrid, Spain: ACM, 3–19.
- [Overbury & Berthouze(2015)] Overbury, P. & Berthouze, L. (2015). Using novelty-biased ga to sample diversity in graphs satisfying constraints. In 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, & C. Doerr (Eds.), GECCO Companion '15: Proceedings of the Companion Publication of the 2015 on Genetic and Evolutionary Computation Conference. Madrid, Spain: ACM, 1445–1446.

- [Ozkan et al.(2015)Ozkan, Ermis, & Bekmezci] Ozkan, O., Ermis, M., & Bekmezci, I. (2015). A hybrid matheuristic approach for designing reliable wireless multimedia sensor networks. In F. W. Moore & N. Zincir-Heywood (Eds.), SecDef'2015 Workshop on genetic and evolutionary computation in defense, security and risk management. Madrid, Spain: ACM, 875–882.
- [Pallez et al.(2015)Pallez, Serrurier, da Costa Pereira, Fusco, & Cao] Pallez, D., Serrurier, M., da Costa Pereira, C., Fusco, G., & Cao, C. (2015). Social specialization of space: Clustering households on the french riviera. In 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, & C. Doerr (Eds.), GECCO Companion '15: Proceedings of the Companion Publication of the 2015 on Genetic and Evolutionary Computation Conference. Madrid, Spain: ACM, 1447–1448.
- [Papa et al.(2015)Papa, Rosa, Costa, Marana, Scheirer, & Cox] Papa, J. P., Rosa, G. H., Costa, K. A., Marana, N. A., Scheirer, W., & Cox, D. D. (2015). On the model selection of bernoulli restricted boltzmann machines through harmony search. In 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, & C. Doerr (Eds.), GECCO Companion '15: Proceedings of the Companion Publication of the 2015 on Genetic and Evolutionary Computation Conference. Madrid, Spain: ACM, 1449–1450.
- [Pappa et al.(2015)Pappa, Simoes, Sudholt, Langdon, White, Petke, Moore, Zincir-Heywood, Santos, Handl, Shehu, Wall Pappa, G., Simoes, A., Sudholt, D., Langdon, W. B., White, D. R., Petke, J., Moore, F. W., Zincir-Heywood, N., Santos, J., Handl, J., Shehu, A., Walker, D., Everson, R., Fieldsend, J., Kuber, K., Nakata, M., Shafi, K., Woodward, J., Tauritz, D., Lopez-Ibanez, M., Wagner, S., Affenzeller, M., Akimoto, Y., Auger, A., Brockhoff, D., Hansen, N., Mersmann, O., Posik, P., Tusar, T., Naujoks, B., Prieto, A., Bredeche, N., Haasdijk, E., Simons, C., Swan, J., Krawiec, K., Smith, J., Johnson, C., Moraglio, A., O'Neill, M., Smith, S. L., Cagnoni, S., & Patton, R. M. (Eds.) (2015). GECCO Companion '15: Proceedings of the Companion Publication of the 2015 on Genetic and Evolutionary Computation Conference. Madrid, Spain. URL http://dl.acm.org/citation.cfm?id=2739480.
- [Park et al.(2015)Park, Nguyen, Zhang, & Johnston] Park, J., Nguyen, S., Zhang, M., & Johnston, M. (2015). A single population genetic programming based ensemble learning approach to job shop scheduling. In 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, & C. Doerr (Eds.), GECCO Companion '15: Proceedings of the Companion Publication of the 2015 on Genetic and Evolutionary Computation Conference. Madrid, Spain: ACM, 1451–1452.
- [Patelli et al.(2015)Patelli, Bencomo, Ekart, Goldingay, & Lewis] Patelli, A., Bencomo, N., Ekart, A., Goldingay, H., & Lewis, P. (2015). Two-b or not two-b?: Design patterns for hybrid metaheuristics. In C. Simons, J. Swan, K. Krawiec, D. Tauritz, & J. Smith (Eds.), GECCO 2015 2nd Workshop on Metaheuristic Design Patterns (MetaDeeP'15). Madrid, Spain: ACM, 1269–1274.
- [Pereira & Lobo(2015)] Pereira, J. C. & Lobo, F. G. (2015). Parameter-less evolutionary portfolio: First experiments. In D. Sudholt (Ed.), *GECCO 2015 Late-Breaking Abstracts*. Madrid, Spain: ACM, 773–774.

- [Perry & Bader-El-Den(2015)] Perry, T. & Bader-El-Den, M. (2015). Imbalanced classification using genetically optimized random forests. In 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, & C. Doerr (Eds.), GECCO Companion '15: Proceedings of the Companion Publication of the 2015 on Genetic and Evolutionary Computation Conference. Madrid, Spain: ACM, 1453-1454.
- [Petrova & Buzdalova(2015)] Petrova, I. & Buzdalova, A. (2015). Selection of auxiliary objectives in the travelling salesman problem using reinforcement learning. In 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, & C. Doerr (Eds.), GECCO Companion '15: Proceedings of the Companion Publication of the 2015 on Genetic and Evolutionary Computation Conference. Madrid, Spain: ACM, 1455–1456.
- [Picek et al.(2015)Picek, Miller, Jakobovic, & Batina] Picek, S., Miller, J. F., Jakobovic, D., & Batina, L. (2015). Cartesian genetic programming approach for generating substitution boxes of different sizes. In 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, & C. Doerr (Eds.), GECCO Companion '15: Proceedings of the Companion Publication of the 2015 on Genetic and Evolutionary Computation Conference. Madrid, Spain: ACM, 1457–1458.
- [Posik & Baudis(2015)] Posik, P. & Baudis, P. (2015). Dimension selection in axis-parallel brent-step method for black-box optimization of separable continuous functions. In Y. Akimoto, A. Auger, D. Brockhoff, N. Hansen, O. Mersmann, & P. Posik (Eds.), Black Box Optimization Benchmarking (BBOB 2015) Workshop. Madrid, Spain: ACM, 1151–1158.
- [Preuss(2015)] Preuss, M. (2015). Multimodal optimization. In A. Simoes (Ed.), GECCO 2015 Introductory Tutorials. Madrid, Spain: ACM, 293–312.
- [Probst(2015)] Probst, M. (2015). Denoising autoencoders for fast combinatorial black box optimization. In 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, & C. Doerr (Eds.), GECCO Companion '15: Proceedings of the Companion Publication of the 2015 on Genetic and Evolutionary Computation Conference. Madrid, Spain: ACM, 1459–1460.
- [Rabanal et al.(2015)Rabanal, Rodriguez, & Rubio] Rabanal, P., Rodriguez, I., & Rubio, F. (2015).
 On the uselessness of finite benchmarks to assess evolutionaryand swarm methods. In 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, & C. Doerr (Eds.), GECCO Companion '15: Proceedings of the Companion Publication of the 2015 on Genetic and Evolutionary Computation Conference. Madrid, Spain: ACM, 1461–1462.

- [Ramirez et al. (2015) Ramirez, Romero, & Ventura] Ramirez, A., Romero, J. R., & Ventura, S. (2015). An extensible jclec-based solution for the implementation of multi-objective evolutionary algorithms. In S. Wagner & M. Affenzeller (Eds.), GECCO 2015 Workshop on Evolutionary Computation Software Systems (EvoSoft'15). Madrid, Spain: ACM, 1085–1092.
- [Ramirez-Atencia et al.(2015)Ramirez-Atencia, Bello-Orgaz, R-Moreno, & Camacho] Ramirez-Atencia, C., Bello-Orgaz, G., R-Moreno, M. D., & Camacho, D. (2015). A hybrid moga-csp for multi-uav mission planning. In T. Tusar & B. Naujoks (Eds.), GECCO'15 Student Workshop. Madrid, Spain: ACM, 1205–1208.
- [Raßet al.(2015)Raß, Schmitt, & Wanka] Raß, A., Schmitt, M., & Wanka, R. (2015). Explanation of stagnation at points that are not local optima in particle swarm optimization by potential analysis. In 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, & C. Doerr (Eds.), GECCO Companion '15: Proceedings of the Companion Publication of the 2015 on Genetic and Evolutionary Computation Conference. Madrid, Spain: ACM, 1463–1464.
- [Riff & Montero(2015)] Riff, M.-C. & Montero, E. (2015). A collaborative strategy to reduce initial setup requirements of paramils using evoca. In 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, & C. Doerr (Eds.), GECCO Companion '15: Proceedings of the Companion Publication of the 2015 on Genetic and Evolutionary Computation Conference. Madrid, Spain: ACM, 1467–1468.
- [Rivero et al.(2015)Rivero, Fernandez-Blanco, Dorado, & Pazos] Rivero, D., Fernandez-Blanco, E., Dorado, J., & Pazos, A. (2015). Classification of two-channel signals by means of genetic programming. In S. L. Smith, S. Cagnoni, & R. M. Patton (Eds.), GECCO 2015 Medical Applications of Genetic and Evolutionary Computation (MedGEC'15) Workshop. Madrid, Spain: ACM, 1319–1325.
- [Rojas et al.(2015)Rojas, Montero, & Riff] Rojas, N., Montero, E., & Riff, M.-C. (2015). Using antipheromone to identify core objects for multidimensional knapsack problems: A two-step ants based approach. In 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, & C. Doerr (Eds.), GECCO Companion '15: Proceedings of the Companion Publication of the 2015 on Genetic and Evolutionary Computation Conference. Madrid, Spain: ACM, 1469–1470.
- [Rothlauf(2015)] Rothlauf, F. (2015). Representations for evolutionary algorithms. In A. Simoes (Ed.), GECCO 2015 Introductory Tutorials. Madrid, Spain: ACM, 345–366.
- [Runka & White(2015)] Runka, A. & White, T. (2015). Evolving neurocontrollers for the control of information diffusion in social networks. In 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, & C. Doerr (Eds.), GECCO Companion '15: Proceedings of the Companion Publication of the 2015 on Genetic and Evolutionary Computation Conference. Madrid, Spain: ACM, 1471–1472.

- [Rush et al.(2015)Rush, Tauritz, & Kent] Rush, G., Tauritz, D. R., & Kent, A. D. (2015). Coevolutionary agent-based network defense lightweight event system (candles). In F. W. Moore & N. Zincir-Heywood (Eds.), SecDef'2015 - Workshop on genetic and evolutionary computation in defense, security and risk management. Madrid, Spain: ACM, 859–866.
- [Ryser-Welch et al.(2015a) Ryser-Welch, Miller, & Asta] Ryser-Welch, P., Miller, J. F., & Asta, S. (2015a). Evolutionary cross-domain hyper-heuristics. In 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, & C. Doerr (Eds.), GECCO Companion '15: Proceedings of the Companion Publication of the 2015 on Genetic and Evolutionary Computation Conference. Madrid, Spain: ACM, 1473–1474.
- [Ryser-Welch et al.(2015b)Ryser-Welch, Miller, & Asta] Ryser-Welch, P., Miller, J. F., & Asta, S. (2015b). Generating human-readable algorithms for the travelling salesman problem using hyperheuristics. In J. Woodward, D. Tauritz, & M. Lopez-Ibanez (Eds.), GECCO 2015 5th Workshop on Evolutionary Computation for the Automated Design of Algorithms (ECADA'15). Madrid, Spain: ACM, 1067–1074.
- [Salah & Hart(2015)] Salah, A. & Hart, E. (2015). Grid diversity operator for some population-based optimization algorithms. In 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, & C. Doerr (Eds.), GECCO Companion '15: Proceedings of the Companion Publication of the 2015 on Genetic and Evolutionary Computation Conference. Madrid, Spain: ACM, 1475-1476.
- [Santana et al.(2015)Santana, Mendiburu, & Lozano] Santana, R., Mendiburu, A., & Lozano, J. A. (2015). Multi-objective nm-landscapes. In 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, & C. Doerr (Eds.), GECCO Companion '15: Proceedings of the Companion Publication of the 2015 on Genetic and Evolutionary Computation Conference. Madrid, Spain: ACM, 1477–1478.
- [Santucci et al.(2015)Santucci, Baioletti, & Milani] Santucci, V., Baioletti, M., & Milani, A. (2015). An algebraic differential evolution for the linear ordering problem. In 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, & C. Doerr (Eds.), GECCO Companion '15: Proceedings of the Companion Publication of the 2015 on Genetic and Evolutionary Computation Conference. Madrid, Spain: ACM, 1479–1480.
- [Sapin et al.(2015)Sapin, De Jong, & Shehu] Sapin, E., De Jong, K., & Shehu, A. (2015). Mapping multiple minima in protein energy landscapes with evolutionary algorithms. In J. Santos, J. Handl, & A. Shehu (Eds.), GECCO 2015 Workshop on Evolutionary Computation in Computational Structural Biology. Madrid, Spain: ACM, 923–927.
- [Sato et al.(2015)Sato, Miyakawa, & Perez-Cortes] Sato, H., Miyakawa, M., & Perez-Cortes, E. (2015). A parallel moea/d generating solutions in minimum overlapped update ranges of solutions. In D. Sudholt (Ed.), GECCO 2015 Late-Breaking Abstracts. Madrid, Spain: ACM, 775–776.

- [Scheibenpflug et al.(2015)Scheibenpflug, Beham, Kommenda, Karder, Wagner, & Affenzeller] Scheibenpflug, A., Beham, A., Kommenda, M., Karder, J., Wagner, S., & Affenzeller, M. (2015). Simplifying problem definitions in the heuristiclab optimization environment. In S. Wagner & M. Affenzeller (Eds.), GECCO 2015 Workshop on Evolutionary Computation Software Systems (EvoSoft'15). Madrid, Spain: ACM, 1101–1108.
- [Schmitt et al.(2015)Schmitt, Seufert, Zoubek, & Koestler] Schmitt, J., Seufert, S., Zoubek, C., & Koestler, H. (2015). Potential-field-based unit behavior optimization for balancing in starcraft ii. In 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, & C. Doerr (Eds.), GECCO Companion '15: Proceedings of the Companion Publication of the 2015 on Genetic and Evolutionary Computation Conference. Madrid, Spain: ACM, 1481–1482.
- [Schulte et al.(2015)Schulte, Weimer, & Forrest] Schulte, E. M., Weimer, W., & Forrest, S. (2015). Repairing cots router firmware without access to source code or test suites: A case study in evolutionary software repair. In W. B. Langdon, D. R. White, & J. Petke (Eds.), Genetic Improvement 2015 Workshop. Madrid, Spain: ACM, 847–854.
- [Scott & Bassett(2015)] Scott, E. O. & Bassett, J. K. (2015). Learning genetic representations for classes of real-valued optimization problems. In J. Woodward, D. Tauritz, & M. Lopez-Ibanez (Eds.), GECCO 2015 5th Workshop on Evolutionary Computation for the Automated Design of Algorithms (ECADA'15). Madrid, Spain: ACM, 1075–1082.
- [Scott & De Jong(2015)] Scott, E. O. & De Jong, K. A. (2015). Evaluation-time bias in asynchronous evolutionary algorithms. In T. Tusar & B. Naujoks (Eds.), *GECCO'15 Student Workshop*. Madrid, Spain: ACM, 1209–1212.
- [Shehu & De Jong(2015)] Shehu, A. & De Jong, K. (2015). Evolutionary algorithms for protein structure modeling. In A. Simoes (Ed.), *GECCO 2015 Advanced Tutorials*. Madrid, Spain: ACM, 533–545.
- [Sher (2015)] Sher, G. (2015). Momentum enhanced neuroevolution. In 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, & C. Doerr (Eds.), GECCO Companion '15: Proceedings of the Companion Publication of the 2015 on Genetic and Evolutionary Computation Conference. Madrid, Spain: ACM, 1483–1484.
- [Sim & Hart (2015)] Sim, K. & Hart, E. (2015). A novel heuristic generator for jssp using a tree-based representation of dispatching rules. In 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, & C. Doerr (Eds.), GECCO Companion '15: Proceedings of the Companion Publication of the 2015 on Genetic and Evolutionary Computation Conference. Madrid, Spain: ACM, 1485–1486.
- [Smith(2015)] Smith, S. L. (2015). Medical applications of evolutionary computation. In A. Simoes (Ed.), GECCO 2015 Specialized Tutorials. Madrid, Spain: ACM, 651–679.
- [Soares et al.(2015)Soares, Fernandes, & Bastos-Filho] Soares, A. M., Fernandes, B. J., & Bastos-Filho, C. J. (2015). Pyramidal neural networks with variable receptive fields designed by genetic algorithms. In 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, & C. Doerr (Eds.), GECCO Companion '15: Proceedings of the Companion Publication of the 2015 on Genetic and Evolutionary Computation Conference. Madrid, Spain: ACM, 1487–1488.
- [Spector(2015)] Spector, L. (2015). Expressive genetic programming. In A. Simoes (Ed.), GECCO 2015 Advanced Tutorials. Madrid, Spain: ACM, 409–434.
- [Stanley(2015)] Stanley, K. O. (2015). Generative and developmental systems tutorial. In A. Simoes (Ed.), *GECCO 2015 Advanced Tutorials*. Madrid, Spain: ACM, 503–532.
- [Stehling et al.(2015)Stehling, DE Souza, & De Franca Filho] Stehling, T. M., DE Souza, S. R., & De Franca Filho, M. F. (2015). A hybrid particle swarm optimization for solving vehicle routing problem with time windows. In 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, & C. Doerr (Eds.), GECCO Companion '15: Proceedings of the Companion Publication of the 2015 on Genetic and Evolutionary Computation Conference. Madrid, Spain: ACM, 1489–1490.
- [Steyven et al.(2015)Steyven, Hart, & Paechter] Steyven, A., Hart, E., & Paechter, B. (2015). The cost of communication: Environmental pressure and survivability in medea. In A. Prieto, N. Bredeche, & E. Haasdijk (Eds.), GECCO 2015 Evolving Collective Behaviors in Robotics (ECBR'15) Workshop. Madrid, Spain: ACM, 1239–1240.
- [Stoean et al. (2015) Stoean, Stoean, Sandita, Mesina, Gruia, & Ciobanu] Stoean, C., Stoean, R., Sandita, A., Mesina, C., Gruia, C. L., & Ciobanu, D. (2015). Evolutionary search for an accurate contour segmentation in histopathological images. In 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, & C. Doerr (Eds.), GECCO Companion '15: Proceedings of the Companion Publication of the 2015 on Genetic and Evolutionary Computation Conference. Madrid, Spain: ACM, 1491–1492.
- [Stuetzle & Lopez-Ibanez (2015)] Stuetzle, T. & Lopez-Ibanez, M. (2015). Automatic (offline) configuration of algorithms. In A. Simoes (Ed.), *GECCO 2015 Specialized Tutorials*. Madrid, Spain: ACM, 681–702.
- [Sudholt(2015)] Sudholt, D. (2015). Theory of swarm intelligence. In A. Simoes (Ed.), GECCO 2015 Advanced Tutorials. Madrid, Spain: ACM, 451–471.
- [Sun et al.(2015)Sun, Kirley, & Halgamuge] Sun, Y., Kirley, M., & Halgamuge, S. K. (2015). On the selection of decomposition methods for large scale fully non-separable problems. In T. Tusar & B. Naujoks (Eds.), GECCO'15 Student Workshop. Madrid, Spain: ACM, 1213–1216.
- [Sungu & Boz(2015)] Sungu, G. & Boz, B. (2015). An evolutionary algorithm for weighted graph coloring problem. In T. Tusar & B. Naujoks (Eds.), *GECCO'15 Student Workshop*. Madrid, Spain: ACM, 1233–1236.
- [Takadama(2015)] Takadama, K. (2015). A potential of evolutionary rule-based machine learning for real world applications. In K. Kuber, M. Nakata, & K. Shafi (Eds.), GECCO 2015 Evolutionary Rule-based Machine Learning (formerly the International Workshop on Learning Classifier Systems). Madrid, Spain: ACM, 1039–1040.

- [Tanabe(2015)] Tanabe, R. (2015). A note on multi-funnel functions for expensive optimization scenario. In 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, & C. Doerr (Eds.), GECCO Companion '15: Proceedings of the Companion Publication of the 2015 on Genetic and Evolutionary Computation Conference. Madrid, Spain: ACM, 1493–1494.
- [Thierens & Bosman(2015)] Thierens, D. & Bosman, P. A. (2015). Model-based evolutionary algorithms. In A. Simoes (Ed.), *GECCO 2015 Introductory Tutorials*. Madrid, Spain: ACM, 93–120.
- [Tomassini(2015)] Tomassini, M. (2015). Introduction to complex networks. In A. Simoes (Ed.), GECCO 2015 Introductory Tutorials. Madrid, Spain: ACM, 163–178.
- [Trueba et al.(2015)Trueba, Prieto, Bellas, & Duro] Trueba, P., Prieto, A., Bellas, F., & Duro, R. J. (2015).
 [Embodied evolution for collective indoor surveillance and location. In A. Prieto, N. Bredeche, & E. Haasdijk (Eds.), GECCO 2015 Evolving Collective Behaviors in Robotics (ECBR'15) Workshop. Madrid, Spain: ACM, 1241–1242.
- [Trunfio(2015)] Trunfio, G. A. (2015). An effective approach for adapting the size of subcomponents in large-scale optimization with cooperative coevolution. In 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, & C. Doerr (Eds.), GECCO Companion '15: Proceedings of the Companion Publication of the 2015 on Genetic and Evolutionary Computation Conference. Madrid, Spain: ACM, 1495–1496.
- [Tsang & Lau(2015)] Tsang, W. W. & Lau, H. Y. (2015). A grid-facilitated ais-based network scheme for many-objective optimization. In 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, & C. Doerr (Eds.), GECCO Companion '15: Proceedings of the Companion Publication of the 2015 on Genetic and Evolutionary Computation Conference. Madrid, Spain: ACM, 1497–1498.
- [Tsutsui & Fujimoto(2015)] Tsutsui, S. & Fujimoto, N. (2015). A comparative study of synchronization of parallel aco on multi-core processor. In D. Sudholt (Ed.), *GECCO 2015 Late-Breaking Abstracts*. Madrid, Spain: ACM, 777–778.
- [Turner & Miller (2015)] Turner, A. J. & Miller, J. F. (2015). Recurrent cartesian genetic programming applied to series forecasting. In 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, & C. Doerr (Eds.), GECCO Companion '15: Proceedings of the Companion Publication of the 2015 on Genetic and Evolutionary Computation Conference. Madrid, Spain: ACM, 1499–1500.
- [Ugolotti & Cagnoni(2015)] Ugolotti, R. & Cagnoni, S. (2015). Automatic tuning of standard pso versions. In 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, & C. Doerr (Eds.), GECCO Companion '15: Proceedings of the Companion Publication of the 2015 on Genetic and Evolutionary Computation Conference. Madrid, Spain: ACM, 1501–1502.
- [Urbanowicz & Browne (2015)] Urbanowicz, R. & Browne, W. (2015). Introducing rule-based machine learning: A practical guide. In A. Simoes (Ed.), *GECCO 2015 Introductory Tutorials*. Madrid, Spain: ACM, 263–292.
- [Urbanowicz et al.(2015)Urbanowicz, Ramanand, & Moore] Urbanowicz, R., Ramanand, N., & Moore, J. (2015). Continuous endpoint data mining with exstracs: A supervised learning classifier system. In K. Kuber, M. Nakata, & K. Shafi (Eds.), GECCO 2015 Evolutionary Rule-based Machine Learning (formerly the International Workshop on Learning Classifier Systems). Madrid, Spain: ACM, 1029–1036.
- [Urquhart et al.(2015)Urquhart, Hart, & Judson] Urquhart, N. B., Hart, E., & Judson, A. (2015).
 Multi-modal employee routing with time windows in an urban environment. In 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, & C. Doerr (Eds.), GECCO Companion '15: Proceedings of the Companion Publication of the 2015 on Genetic and Evolutionary Computation Conference. Madrid, Spain: ACM, 1503-1504.
- [Varela & Santos(2015)] Varela, D. & Santos, J. (2015). Combination of differential evolution and fragment-based replacements for protein structure prediction. In J. Santos, J. Handl, & A. Shehu (Eds.), GECCO 2015 Workshop on Evolutionary Computation in Computational Structural Biology. Madrid, Spain: ACM, 911–914.
- [Vargas et al.(2015) Vargas, Takano, & Murata] Vargas, D. V., Takano, H., & Murata, J. (2015). The relationship between (un)fractured problems and division of input space. In K. Kuber, M. Nakata, & K. Shafi (Eds.), GECCO 2015 Evolutionary Rule-based Machine Learning (formerly the International Workshop on Learning Classifier Systems). Madrid, Spain: ACM, 981–987.
- [Vasicek & Sekanina(2015)] Vasicek, Z. & Sekanina, L. (2015). Evolutionary approximation of complex digital circuits. In 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, & C. Doerr (Eds.), GECCO Companion '15: Proceedings of the Companion Publication of the 2015 on Genetic and Evolutionary Computation Conference. Madrid, Spain: ACM, 1505–1506.
- [Velasco et al.(2015)Velasco, Winkler, Hidalgo, Garnica, Lanchares, Colmenar, Maqueda, Botella, & Rubio] Velasco, J. M., Winkler, S., Hidalgo, J. I., Garnica, O., Lanchares, J., Colmenar, J. M., Maqueda, E., Botella, M., & Rubio, J.-A. (2015). Data-based identification of prediction models for glucose. In S. L. Smith, S. Cagnoni, & R. M. Patton (Eds.), GECCO 2015 Medical Applications of Genetic and Evolutionary Computation (MedGEC'15) Workshop. Madrid, Spain: ACM, 1327–1334.
- [Verbancsics(2015)] Verbancsics, P. (2015). Impact of speciation heuristic on crossover and search in neat. In 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, & C. Doerr (Eds.), *GECCO Companion '15: Proceedings of the Companion Publication of the 2015 on Genetic and Evolutionary Computation Conference*. Madrid, Spain: ACM, 1509–1510.
- [Verbancsics & Harguess (2015)] Verbancsics, P. & Harguess, J. (2015). Classifying maritime vessels from satellite imagery with hyperneat. In 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, & C. Doerr (Eds.), GECCO Companion '15: Proceedings of the Companion Publication of the 2015 on Genetic and Evolutionary Computation Conference. Madrid, Spain: ACM, 1507–1508.
- [von Luecken et al.(2015)von Luecken, Monzon, Brizuela, & Baran] von Luecken, C., Monzon, H., Brizuela, C., & Baran, B. (2015). Dimensionality reduction in many-objective problems combining pca and spectral clustering. In 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, & C. Doerr (Eds.), GECCO Companion '15: Proceedings of the Companion Publication of the 2015 on Genetic and Evolutionary Computation Conference. Madrid, Spain: ACM, 1511–1512.
- [Wagy & Bongard(2015)] Wagy, M. D. & Bongard, J. C. (2015). Crowdseeding robot design. In 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, & C. Doerr (Eds.), GECCO Companion '15: Proceedings of the Companion Publication of the 2015 on Genetic and Evolutionary Computation Conference. Madrid, Spain: ACM, 1513-1514.
- [Walker(2015)] Walker, D. J. (2015). Visualising multi-objective populations with treemaps. In D. Walker, R. Everson, & J. Fieldsend (Eds.), 6th Workshop on Visualisation Methods in Genetic and Evolutionary Computation (VizGEC 2015). Madrid, Spain: ACM, 963–970.
- [Watkins & Buttkewitz(2015)] Watkins, C. & Buttkewitz, Y. (2015). Efficient sampling with small populations: a genetic algorithm satisfying detailed balance. In 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, & C. Doerr (Eds.), GECCO Companion '15: Proceedings of the Companion Publication of the 2015 on Genetic and Evolutionary Computation Conference. Madrid, Spain: ACM, 1517–1518.
- [Weiss Cohen et al.(2015)Weiss Cohen, Dahan, & Kaspi] Weiss Cohen, M., Dahan, A., & Kaspi, I. (2015). Software system for container vessel stowage planning using genetic algorithm. In 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, & C. Doerr (Eds.), GECCO Companion '15: Proceedings of the Companion

- Publication of the 2015 on Genetic and Evolutionary Computation Conference. Madrid, Spain: ACM, 1519–1520.
- [White & Singer (2015)] White, D. R. & Singer, J. (2015). Rethinking genetic improvement programming. In W. B. Langdon, D. R. White, & J. Petke (Eds.), Genetic Improvement 2015 Workshop. Madrid, Spain: ACM, 845–846.
- [White et al.(2015)White, Yoo, & Singer] White, D. R., Yoo, S., & Singer, J. (2015). The programming game: Evaluating mcts as an alternative to gp for symbolic regression. In 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, & C. Doerr (Eds.), GECCO Companion '15: Proceedings of the Companion Publication of the 2015 on Genetic and Evolutionary Computation Conference. Madrid, Spain: ACM, 1521–1522.
- [Whitley(2015)] Whitley, D. (2015). Blind no more: Constant time non-random improving moves and exponentially powerful recombination. In A. Simoes (Ed.), *GECCO 2015 Advanced Tutorials*. Madrid, Spain: ACM, 391–407.
- [Woodward & Tauritz(2015)] Woodward, J. R. & Tauritz, D. R. (2015). Hyper-heuristics. In A. Simoes (Ed.), GECCO 2015 Introductory Tutorials. Madrid, Spain: ACM, 199–230.
- [Wu et al.(2015)Wu, Chen, Lee, & Hsiao] Wu, Y.-M., Chen, L.-Y., Lee, P.-M., & Hsiao, T.-C. (2015). Enable the xcs to dynamically learn multiple problems: A sensor tagging approach. In 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, & C. Doerr (Eds.), GECCO Companion '15: Proceedings of the Companion Publication of the 2015 on Genetic and Evolutionary Computation Conference. Madrid, Spain: ACM, 1523–1524.
- [Xie et al.(2015)Xie, Mei, & Song] Xie, J., Mei, Y., & Song, A. (2015). Evolving self-adaptive tabu search algorithm for storage location assignment problems. In D. Sudholt (Ed.), GECCO 2015 Late-Breaking Abstracts. Madrid, Spain: ACM, 779–780.
- [Yang(2015)] Yang, S. (2015). Evolutionary computation for dynamic optimization problems. In A. Simoes (Ed.), GECCO 2015 Advanced Tutorials. Madrid, Spain: ACM, 629–649.
- [Yeboah-Antwi & Baudry (2015)] Yeboah-Antwi, K. & Baudry, B. (2015). Embedding adaptivity in software systems using the ecselr framework. In W. B. Langdon, D. R. White, & J. Petke (Eds.), Genetic Improvement 2015 Workshop. Madrid, Spain: ACM, 839–844.
- [Yliniemi & Tumer (2015)] Yliniemi, L. & Tumer, K. (2015). Complete multi-objective coverage with paccet. In 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, & C. Doerr (Eds.), GECCO Companion '15: Proceedings of the Companion Publication of the 2015 on Genetic and Evolutionary Computation Conference. Madrid, Spain: ACM, 1525–1526.
- [Zahadat et al.(2015)Zahadat, Hamann, & Schmickl] Zahadat, P., Hamann, H., & Schmickl, T. (2015). Evolving diverse collective behaviors independent of swarm density. In A. Prieto, N. Bredeche, & E. Haasdijk (Eds.), GECCO 2015 Evolving Collective Behaviors in Robotics (ECBR'15) Workshop. Madrid, Spain: ACM, 1245–1246.

- [Zegklitz & Posik(2015a)] Zegklitz, J. & Posik, P. (2015a). Model selection and overfitting in genetic programming: Empirical study. In 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, & C. Doerr (Eds.), GECCO Companion '15: Proceedings of the Companion Publication of the 2015 on Genetic and Evolutionary Computation Conference. Madrid, Spain: ACM, 1527–1528.
- [Zegklitz & Posik(2015b)] Zegklitz, J. & Posik, P. (2015b). Symbolic regression by grammar-based multi-gene genetic programming. In T. Tusar & B. Naujoks (Eds.), GECCO'15 Student Workshop. Madrid, Spain: ACM, 1217–1220.
- [Zhang & Cagnoni(2015)] Zhang, M. & Cagnoni, S. (2015). Evolutionary image analysis, signal processing and pattern recognition. In A. Simoes (Ed.), *GECCO 2015 Advanced Tutorials*. Madrid, Spain: ACM, 473–502.
- [Zhang & Deng(2015)] Zhang, M. & Deng, Y. (2015). An improved artificial fish swarm algorithm in image segmentation application. In D. Sudholt (Ed.), GECCO 2015 Late-Breaking Abstracts. Madrid, Spain: ACM, 781–782.
- [Zheng et al.(2015)Zheng, Bai, Shen, & Li] Zheng, J., Bai, H., Shen, R., & Li, M. (2015). A comparative study use of otl for many-objective optimization. In 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, & C. Doerr (Eds.), GECCO Companion '15: Proceedings of the Companion Publication of the 2015 on Genetic and Evolutionary Computation Conference. Madrid, Spain: ACM, 1411–1412.