Список литературы

- [AKIMOTO and AUGER, 2015] AKIMOTO, Y. and AUGER, A. (2015). Theory of Evolution Strategies and Related Algorithms. In SIMOES, A., editor, *GECCO 2015 Advanced Tutorials*, pages 575–588, Madrid, Spain. ACM.
- [AKIMOTO et al., 2015] AKIMOTO, Y., AUGER, A., and HANSEN, N. (2015). Continuous Optimization and CMA-ES. In SIMOES, A., editor, GECCO 2015 Introductory Tutorials, pages 313–344, Madrid, Spain. ACM.
- [Alba, 2015] Alba, E. (2015). Intelligent Systems for Smart Cities. In Simoes, A., editor, *GECCO* 2015 Specialized Tutorials, pages 707–722, Madrid, Spain. ACM.
- [ALJAWAWDEH et al., 2015] ALJAWAWDEH, H. J., SIMONS, C. L., and ODEH, M. (2015). Metaheuristic Design Pattern: Preference. In SIMONS, C., SWAN, J., KRAWIEC, K., TAURITZ, D., and SMITH, J., editors, GECCO 2015 2nd Workshop on Metaheuristic Design Patterns (MetaDeeP'15), pages 1257–1260, Madrid, Spain. ACM.
- [Altin et al., 2015] Altin, L., Topcuoglu, H. R., and Ermis, M. (2015). Evolutionary Dynamic Optimization Techniques for Marine Contamination Problem. In Moore, F. W. and Zincir-Heywood, N., editors, SecDef'2015 Workshop on genetic and evolutionary computation in defense, security and risk management, pages 889–892, Madrid, Spain. ACM.
- [Alyahya and Rowe, 2015] Alyahya, K. and Rowe, J. E. (2015). Landscape Properties of the 0-1 Knapsack Problem. In Silva, S., Esparcia-Alcazar, A. I., Lopez-Ibanez, M., Mostaghim, S., Timmis, J., Zarges, C., Correia, L., Soule, T., Giacobini, M., Urbanowicz, R., Akimoto, Y., Glasmachers, T., Fernandez de Vega, F., Hoover, A., Larranaga, P., Soto, M., Cotta, C., Pereira, F. B., Handl, J., Koutnik, J., Gaspar-Cunha, A., Trautmann, H., Mouret, J.-B., Risi, S., Costa, E., Schuetze, O., Krawiec, K., Moraglio, A., Miller, J. F., Widera, P., Cagnoni, S., Merelo, J., Hart, E., Trujillo, L., Keswsentini, M., Ochoa, G., Chicano, F., and Doerr, C., editors, Gecco Companion '15: Proceedings of the Companion Publication of the 2015 on Genetic and Evolutionary Computation Conference, pages 1343–1344, Madrid, Spain. ACM.
- [AMECA-ALDUCIN et al., 2015] AMECA-ALDUCIN, M.-Y., MEZURA-MONTES, E., and CRUZ-RAMIREZ, N. (2015). Differential Evolution with a Repair Method to Solve Dynamic Constrained Optimization Problems. In Tusar, T. and Naujoks, B., editors, GECCO'15 Student Workshop, pages 1169–1172, Madrid, Spain. ACM.
- [Araujo et al., 2015] Araujo, L., Martinez-Romo, J., and Duque, A. (2015). Grammatical Evolution for Identifying Wikipedia Taxonomies. In Silva, S., Esparcia-Alcazar, A. I., Lopez-Ibanez, M., Mostaghim, S., Timmis, J., Zarges, C., Correia, L., Soule, T., Giacobini, M., Urbanowicz, R., Akimoto, Y., Glasmachers, T., Fernandez de Vega, F., Hoover, A., Larranaga, P., Soto, M., Cotta, C., Pereira, F. B., Handl, J., Koutnik, J., Gaspar-Cunha, A., Trautmann, H., Mouret, J.-B., Risi, S., Costa, E., Schuetze, O., Krawiec, K., Moraglio, A., Miller, J. F., Widera, P., Cagnoni, S., Merelo, J., Hart, E., Trujillo, L., Keswsentini, M., Ochoa, G., Chicano, F., and Doerr, C., editors, Gecco Companion '15: Proceedings of the Companion Publication of the 2015 on Genetic and Evolutionary Computation Conference, pages 1345–1346, Madrid, Spain. ACM.
- [ASTETE-MORALES et al., 2015] ASTETE-MORALES, S., CAUWET, M.-L., and TEYTAUD, O. (2015). Criteria and Convergence Rates in Noisy Optimization. In Silva, S., Esparcia-Alcazar, A. I., Lopez-Ibanez, M., Mostaghim, S., Timmis, J., Zarges, C., Correia, L., Soule, T., Giacobini, M., Urbanowicz, R., Akimoto, Y., Glasmachers, T., Fernandez de Vega, F., Hoover, A., Larranaga, P., Soto, M., Cotta, C., Pereira, F. B., Handl, J., Koutnik, J., Gaspar-Cunha, A., Trautmann, H., Mouret, J.-B., Risi, S., Costa, E., Schuetze, O., Krawiec, K., Moraglio, A., Miller, J. F., Widera, P., Cagnoni, S., Merelo, J., Hart, E., Trujillo, L., Keswsentini, M., Ochoa, G., Chicano, F., and Doerr, C., editors, Gecco Companion '15: Proceedings of the Companion Publication of the 2015 on Genetic and Evolutionary Computation Conference, pages 1347–1348, Madrid, Spain. ACM.

- [Atamna, 2015] Atamna, A. (2015). Benchmarking IPOP-CMA-ES-TPA and IPOP-CMA-ES-MSR on the BBOB Noiseless Testbed. In Akimoto, Y., Auger, A., Brockhoff, D., Hansen, N., Mersmann, O., and Posik, P., editors, *Black Box Optimization Benchmarking (BBOB 2015) Workshop*, pages 1135–1142, Madrid, Spain. ACM.
- [Atilgan and Hu, 2015] Atilgan, E. and Hu, J. (2015). A Combinatorial Genetic Algorithm for Computational Doping based Material Design. In Silva, S., Esparcia-Alcazar, A. I., Lopez-Ibanez, M., Mostaghim, S., Timmis, J., Zarges, C., Correia, L., Soule, T., Giacobini, M., Urbanowicz, R., Akimoto, Y., Glasmachers, T., Fernandez de Vega, F., Hoover, A., Larranaga, P., Soto, M., Cotta, C., Pereira, F. B., Handl, J., Koutnik, J., Gaspar-Cunha, A., Trautmann, H., Mouret, J.-B., Risi, S., Costa, E., Schuetze, O., Krawiec, K., Moraglio, A., Miller, J. F., Widera, P., Cagnoni, S., Merelo, J., Hart, E., Trujillo, L., Keswsentini, M., Ochoa, G., Chicano, F., and Doerr, C., editors, Gecco Companion '15: Proceedings of the Companion Publication of the 2015 on Genetic and Evolutionary Computation Conference, pages 1349–1350, Madrid, Spain. ACM.
- [AUERBACH et al., 2015] AUERBACH, J. E., HEITZ, G., KORNATOWSKI, P. M., and FLOREANO, D. (2015). Rapid Evolution of Robot Gaits. In Sudholt, D., editor, GECCO 2015 Late-Breaking Abstracts, pages 743–744, Madrid, Spain. ACM.
- [Ayodele et al., 2015] Ayodele, M., McCall, J., and Regnier-Coudert, O. (2015). Probabilistic Model Enhanced Genetic Algorithm for Multi-Mode Resource Constrained Project Scheduling Problem. In Sudholt, D., editor, Gecco 2015 Late-Breaking Abstracts, pages 745–746, Madrid, Spain. ACM.
- [Bajer et al., 2015a] Bajer, L., Pitra, Z., and Holena, M. (2015a). Benchmarking Gaussian Processes and Random Forests Surrogate Models on the BBOB Noiseless Testbed. In Akimoto, Y., Auger, A., Brockhoff, D., Hansen, N., Mersmann, O., and Posik, P., editors, Black Box Optimization Benchmarking (BBOB 2015) Workshop, pages 1143–1150, Madrid, Spain. ACM.
- [Bajer et al., 2015b] Bajer, L., Pitra, Z., and Holena, M. (2015b). Investigation of Gaussian Processes and Random Forests as Surrogate Models for Evolutionary Black-Box Optimization. In Silva, S., Esparcia-Alcazar, A. I., Lopez-Ibanez, M., Mostaghim, S., Timmis, J., Zarges, C., Correia, L., Soule, T., Giacobini, M., Urbanowicz, R., Akimoto, Y., Glasmachers, T., Fernandez de Vega, F., Hoover, A., Larranaga, P., Soto, M., Cotta, C., Pereira, F. B., Handl, J., Koutnik, J., Gaspar-Cunha, A., Trautmann, H., Mouret, J.-B., Risi, S., Costa, E., Schuetze, O., Krawiec, K., Moraglio, A., Miller, J. F., Widera, P., Cagnoni, S., Merelo, J., Hart, E., Trujillo, L., Keswsentini, M., Ochoa, G., Chicano, F., and Doerr, C., editors, Gecco Companion '15: Proceedings of the Companion Publication of the 2015 on Genetic and Evolutionary Computation Conference, pages 1351–1352, Madrid, Spain. ACM.
- [Baldominos et al., 2015] Baldominos, A., Saez, Y., and Isasi, P. (2015). Feature Set Optimization for Physical Activity Recognition Using Genetic Algorithms. In Smith, S. L., Cagnoni, S., and Patton, R. M., editors, GECCO 2015 Medical Applications of Genetic and Evolutionary Computation (MedGEC'15) Workshop, pages 1311–1318, Madrid, Spain. ACM.
- [Bankovic and Lopez-Garcia, 2015] Bankovic, Z. and Lopez-Garcia, P. (2015). Energy Efficient Allocation and Scheduling for DVFS-enabled Multicore Environments using a Multiobjective Evolutionary Algorithm. In Silva, S., Esparcia-Alcazar, A. I., Lopez-Ibanez, M., Mostaghim, S., Timmis, J., Zarges, C., Correia, L., Soule, T., Giacobini, M., Urbanowicz, R., Akimoto, Y., Glasmachers, T., Fernandez de Vega, F., Hoover, A., Larranaga, P., Soto, M., Cotta, C., Pereira, F. B., Handl, J., Koutnik, J., Gaspar-Cunha, A., Trautmann, H., Mouret, J.-B., Risi, S., Costa, E., Schuetze, O., Krawiec, K., Moraglio, A., Miller, J. F., Widera, P., Cagnoni, S., Merelo, J., Hart, E., Trujillo, L., Keswsentini, M., Ochoa, G., Chicano, F., and Doerr, C., editors, Gecco Companion '15: Proceedings of the Companion Publication of the 2015 on Genetic and Evolutionary Computation Conference, pages 1353–1354, Madrid, Spain. ACM.

- [Benbassat and Henik, 2015] Benbassat, A. and Henik, A. (2015). Examining The Stroop Effect using A Develomental Spatial Neuroevolution System. In Sudholt, D., editor, *GECCO 2015 Late-Breaking Abstracts*, pages 747–748, Madrid, Spain. ACM.
- [BERGER et al., 2015] BERGER, B., ANDINO, A., DANISE, A., and RIEFFEL, J. (2015). Growing and Evolving Vibrationally Actuated Soft Robots. In Tusar, T. and Naujoks, B., editors, GECCO'15 Student Workshop, pages 1221–1224, Madrid, Spain. ACM.
- [Bernatskiy and Bongard, 2015] Bernatskiy, A. and Bongard, J. C. (2015). Exploiting the Relationship Between Structural Modularity and Sparsity for Faster Network Evolution. In Tusar, T. and Naujoks, B., editors, *GECCO'15 Student Workshop*, pages 1173–1176, Madrid, Spain. ACM.
- [Berny, 2015] Berny, A. (2015). Herding Evolutionary Algorithm. In Silva, S., Esparcia-Alcazar, A. I., Lopez-Ibanez, M., Mostaghim, S., Timmis, J., Zarges, C., Correia, L., Soule, T., Giacobini, M., Urbanowicz, R., Akimoto, Y., Glasmachers, T., Fernandez de Vega, F., Hoover, A., Larranaga, P., Soto, M., Cotta, C., Pereira, F. B., Handl, J., Koutnik, J., Gaspar-Cunha, A., Trautmann, H., Mouret, J.-B., Risi, S., Costa, E., Schuetze, O., Krawiec, K., Moraglio, A., Miller, J. F., Widera, P., Cagnoni, S., Merelo, J., Hart, E., Trujillo, L., Keswsentini, M., Ochoa, G., Chicano, F., and Doerr, C., editors, Gecco Companion '15: Proceedings of the Companion Publication of the 2015 on Genetic and Evolutionary Computation Conference, pages 1355–1356, Madrid, Spain. ACM.
- [BIN WANG et al., 2015] BIN WANG, J., CHEN, W.-N., ZHANG, J., and LIN, Y. (2015). A Dimension-Decreasing Particle Swarm Optimization Method for Portfolio Optimization. In Silva, S., ESPARCIA-ALCAZAR, A. I., LOPEZ-IBANEZ, M., MOSTAGHIM, S., TIMMIS, J., ZARGES, C., CORREIA, L., SOULE, T., GIACOBINI, M., URBANOWICZ, R., AKIMOTO, Y., GLASMACHERS, T., FERNANDEZ DE VEGA, F., HOOVER, A., LARRANAGA, P., SOTO, M., COTTA, C., PEREIRA, F. B., HANDL, J., KOUTNIK, J., GASPAR-CUNHA, A., TRAUTMANN, H., MOURET, J.-B., RISI, S., COSTA, E., SCHUETZE, O., KRAWIEC, K., MORAGLIO, A., MILLER, J. F., WIDERA, P., CAGNONI, S., MERELO, J., HART, E., TRUJILLO, L., KESWSENTINI, M., OCHOA, G., CHICANO, F., and DOERR, C., editors, GECCO Companion '15: Proceedings of the Companion Publication of the 2015 on Genetic and Evolutionary Computation Conference, pages 1515–1516, Madrid, Spain. ACM.
- [Bokhari and Wagner, 2015] Bokhari, M. and Wagner, M. (2015). Improving Test Coverage of Formal Verification Systems via Beam Search. In Silva, S., Esparcia-Alcazar, A. I., Lopez-Ibanez, M., Mostaghim, S., Timmis, J., Zarges, C., Correia, L., Soule, T., Giacobini, M., Urbanowicz, R., Akimoto, Y., Glasmachers, T., Fernandez de Vega, F., Hoover, A., Larranaga, P., Soto, M., Cotta, C., Pereira, F. B., Handl, J., Koutnik, J., Gaspar-Cunha, A., Trautmann, H., Mouret, J.-B., Risi, S., Costa, E., Schuetze, O., Krawiec, K., Moraglio, A., Miller, J. F., Widera, P., Cagnoni, S., Merelo, J., Hart, E., Trujillo, L., Keswsentini, M., Ochoa, G., Chicano, F., and Doerr, C., editors, Gecco Companion '15: Proceedings of the Companion Publication of the 2015 on Genetic and Evolutionary Computation Conference, pages 1357–1358, Madrid, Spain. ACM.
- [Boussaa et al., 2015] Boussaa, M., Barais, O., Sunye, G., and Baudry, B. (2015). A Novelty Search-based Test Data Generator for Object-oriented Programs. In Silva, S., Esparcia-Alcazar, A. I., Lopez-Ibanez, M., Mostaghim, S., Timmis, J., Zarges, C., Correia, L., Soule, T., Giacobini, M., Urbanowicz, R., Akimoto, Y., Glasmachers, T., Fernandez de Vega, F., Hoover, A., Larranaga, P., Soto, M., Cotta, C., Pereira, F. B., Handl, J., Koutnik, J., Gaspar-Cunha, A., Trautmann, H., Mouret, J.-B., Risi, S., Costa, E., Schuetze, O., Krawiec, K., Moraglio, A., Miller, J. F., Widera, P., Cagnoni, S., Merelo, J., Hart, E., Trujillo, L., Keswsentini, M., Ochoa, G., Chicano, F., and Doerr, C., editors, Gecco Companion '15: Proceedings of the Companion Publication of the 2015 on Genetic and Evolutionary Computation Conference, pages 1359–1360, Madrid, Spain. ACM.
- [BOZDOGAN et al., 2015] BOZDOGAN, C., GOKCEN, Y., and ZINCIR, I. (2015). A Preliminary Investigation on the Identification of Peer to Peer Network Applications. In Moore, F. W. and ZINCIR-HEYWOOD, N., editors, SecDef'2015 Workshop on genetic and evolutionary computation in defense, security and risk management, pages 883–888, Madrid, Spain. ACM.

- [Bredeche et al., 2015a] Bredeche, N., Doncieux, S., and Mouret, J.-B. (2015a). Tutorial on Evolutionary Robotics. In Simoes, A., editor, GECCO 2015 Introductory Tutorials, pages 231–261, Madrid, Spain. ACM.
- [Bredeche et al., 2015b] Bredeche, N., Haasdijk, E., and Prieto, A. (2015b). Elements of Embodied Evolutionary Robotics. In Prieto, A., Bredeche, N., and Haasdijk, E., editors, GECCO 2015 Evolving Collective Behaviors in Robotics (ECBR'15) Workshop, pages 1247–1247, Madrid, Spain. ACM.
- [BRIZUELA et al., 2015] BRIZUELA, C., CORONA, R. I., LEZCANO, C., RODRIGUEZ, D., and COLBES, J. D. (2015). An Experimental Analysis of the Performance of SideChain Packing Algorithms. In Santos, J., Handl, J., and Shehu, A., editors, GECCO 2015 Workshop on Evolutionary Computation in Computational Structural Biology, pages 929–933, Madrid, Spain. ACM.
- [Brockhoff et al., 2015] Brockhoff, D., Bischl, B., and Wagner, T. (2015). The Impact of Initial Designs on the Performance of MATSuMoTo on the Noiseless BBOB-2015 Testbed: A Preliminary Study. In Akimoto, Y., Auger, A., Brockhoff, D., Hansen, N., Mersmann, O., and Posik, P., editors, Black Box Optimization Benchmarking (BBOB 2015) Workshop, pages 1159–1166, Madrid, Spain. ACM.
- [Brockhoff and Wagner, 2015] Brockhoff, D. and Wagner, T. (2015). Tutorial on Evolutionary Multiobjective Optimization. In Simoes, A., editor, Gecco 2015 Introductory Tutorials, pages 37–63, Madrid, Spain. ACM.
- [Brookhouse and Otero, 2015] Brookhouse, J. and Otero, F. E. (2015). Discovering Regression Rules with Ant Colony Optimization. In Kuber, K., Nakata, M., and Shafi, K., editors, GECCO 2015 Evolutionary Rule-based Machine Learning (formerly the International Workshop on Learning Classifier Systems), pages 1005–1012, Madrid, Spain. ACM.
- [Brownlee et al., 2015] Brownlee, A. E., Woodward, J. R., and Swan, J. (2015). Metaheuristic Design Pattern: Surrogate Fitness Functions. In Simons, C., Swan, J., Krawiec, K., Tauritz, D., and Smith, J., editors, GECCO 2015 2nd Workshop on Metaheuristic Design Patterns (MetaDeeP'15), pages 1261–1264, Madrid, Spain. ACM.
- [Bruce, 2015] Bruce, B. R. (2015). Energy Optimisation via Genetic Improvement: A SBSE technique for a new era in Software Development. In Langdon, W. B., White, D. R., and Petke, J., editors, *Genetic Improvement 2015 Workshop*, pages 819–820, Madrid, Spain. ACM.
- [Burles et al., 2015] Burles, N., Swan, J., Bowles, E., Brownlee, A. E., Kocsis, Z. A., and Veerapen, N. (2015). Embedded Dynamic Improvement. In Langdon, W. B., White, D. R., and Petke, J., editors, *Genetic Improvement 2015 Workshop*, pages 831–832, Madrid, Spain. ACM.
- [BUZDALOV and PARFENOV, 2015] BUZDALOV, M. and PARFENOV, V. (2015). Various Degrees of Steadiness in NSGA-II and Their Influence on the Quality of Results. In SUDHOLT, D., editor, GECCO 2015 Late-Breaking Abstracts, pages 749–750, Madrid, Spain. ACM.
- [Buzdalova et al., 2015] Buzdalova, A., Matveeva, A., and Korneev, G. (2015). Selection of Auxiliary Objectives with Multi-Objective Reinforcement Learning. In Tusar, T. and Naujoks, B., editors, GECCO'15 Student Workshop, pages 1177–1180, Madrid, Spain. ACM.
- [Cabassi and Locatelli, 2015] Cabassi, F. and Locatelli, M. (2015). A Computational Comparison of Memetic Differential Evolution Approaches. In Tusar, T. and Naujoks, B., editors, GECCO'15 Student Workshop, pages 1181–1184, Madrid, Spain. ACM.
- [Cantoro et al., 2015] Cantoro, R., Gaudesi, M., Sanchez, E., and Squillero, G. (2015). Exploiting Evolutionary Computation in an Industrial Flow for the Development of Code-Optimized Microprocessor Test Programs. In Silva, S., Esparcia-Alcazar, A. I., Lopez-Ibanez, M., Mostaghim, S., Timmis, J., Zarges, C., Correia, L., Soule, T., Giacobini, M., Urbanowicz, R., Akimoto, Y., Glasmachers, T., Fernandez de Vega, F., Hoover, A., Larranaga, P., Soto, M., Cotta, C., Pereira, F. B., Handl, J., Koutnik, J., Gaspar-Cunha, A., Trautmann, H., Mouret, J.-B., Risi, S., Costa, E., Schuetze, O., Krawiec, K.,

- MORAGLIO, A., MILLER, J. F., WIDERA, P., CAGNONI, S., MERELO, J., HART, E., TRUJILLO, L., KESWSENTINI, M., OCHOA, G., CHICANO, F., and DOERR, C., editors, *GECCO Companion '15: Proceedings of the Companion Publication of the 2015 on Genetic and Evolutionary Computation Conference*, pages 1465–1466, Madrid, Spain. ACM.
- [Cardenas-Montes et al., 2015] Cardenas-Montes, M., Vega-Rodriguez, M. A., Rodriguez-Vazquez, J. J., and Gomez-Iglesias, A. (2015). A Comparison Exercise on Parallel Evaluation of Rosenbrock Function. In Silva, S., Esparcia-Alcazar, A. I., Lopez-Ibanez, M., Mostaghim, S., Timmis, J., Zarges, C., Correia, L., Soule, T., Giacobini, M., Urbanowicz, R., Akimoto, Y., Glasmachers, T., Fernandez de Vega, F., Hoover, A., Larranaga, P., Soto, M., Cotta, C., Pereira, F. B., Handl, J., Koutnik, J., Gaspar-Cunha, A., Trautmann, H., Mouret, J.-B., Risi, S., Costa, E., Schuetze, O., Krawiec, K., Moraglio, A., Miller, J. F., Widera, P., Cagnoni, S., Merelo, J., Hart, E., Trujillo, L., Keswsentini, M., Ochoa, G., Chicano, F., and Doerr, C., editors, Gecco Companion '15: Proceedings of the Companion Publication of the 2015 on Genetic and Evolutionary Computation Conference, pages 1361–1362, Madrid, Spain. ACM.
- [Chaabani et al., 2015] Chaabani, A., Bechikh, S., Ben Said, L., and Azzouz, R. (2015). An Improved Co-evolutionary Decomposition-based Algorithm for Bi-level Combinatorial Optimization. In Silva, S., Esparcia-Alcazar, A. I., Lopez-Ibanez, M., Mostaghim, S., Timmis, J., Zarges, C., Correia, L., Soule, T., Giacobini, M., Urbanowicz, R., Akimoto, Y., Glasmachers, T., Fernandez de Vega, F., Hoover, A., Larranaga, P., Soto, M., Cotta, C., Pereira, F. B., Handl, J., Koutnik, J., Gaspar-Cunha, A., Trautmann, H., Mouret, J.-B., Risi, S., Costa, E., Schuetze, O., Krawiec, K., Moraglio, A., Miller, J. F., Widera, P., Cagnoni, S., Merelo, J., Hart, E., Trujillo, L., Keswsentini, M., Ochoa, G., Chicano, F., and Doerr, C., editors, Gecco Companion '15: Proceedings of the Companion Publication of the 2015 on Genetic and Evolutionary Computation Conference, pages 1363–1364, Madrid, Spain. ACM.
- [Chabin et al., 2015] Chabin, T., Tonda, A., and Lutton, E. (2015). Is Global Sensitivity Analysis Useful to Evolutionary Computation? In Silva, S., Esparcia-Alcazar, A. I., Lopez-Ibanez, M., Mostaghim, S., Timmis, J., Zarges, C., Correia, L., Soule, T., Giacobini, M., Urbanowicz, R., Akimoto, Y., Glasmachers, T., Fernandez de Vega, F., Hoover, A., Larranaga, P., Soto, M., Cotta, C., Pereira, F. B., Handl, J., Koutnik, J., Gaspar-Cunha, A., Trautmann, H., Mouret, J.-B., Risi, S., Costa, E., Schuetze, O., Krawiec, K., Moraglio, A., Miller, J. F., Widera, P., Cagnoni, S., Merelo, J., Hart, E., Trujillo, L., Keswsentini, M., Ochoa, G., Chicano, F., and Doerr, C., editors, Gecco Companion '15: Proceedings of the Companion Publication of the 2015 on Genetic and Evolutionary Computation Conference, pages 1365–1366, Madrid, Spain. ACM.
- [CHEBBI and CHAOUACHI, 2015] CHEBBI, O. and 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 Sudholt, D., editor, GECCO 2015 Late-Breaking Abstracts, pages 751–752, Madrid, Spain. ACM.
- [Chen et al., 2015a] Chen, L.-Y., Lee, P.-M., and Hsiao, T.-C. (2015a). Dynamically Adding Sensors to the XCS in Multistep Problems: A Sensor Tagging Approach. In Silva, S., Esparcia-Alcazar, A. I., Lopez-Ibanez, M., Mostaghim, S., Timmis, J., Zarges, C., Correia, L., Soule, T., Giacobini, M., Urbanowicz, R., Akimoto, Y., Glasmachers, T., Fernandez De Vega, F., Hoover, A., Larranaga, P., Soto, M., Cotta, C., Pereira, F. B., Handl, J., Koutnik, J., Gaspar-Cunha, A., Trautmann, H., Mouret, J.-B., Risi, S., Costa, E., Schuetze, O., Krawiec, K., Moraglio, A., Miller, J. F., Widera, P., Cagnoni, S., Merelo, J., Hart, E., Trujillo, L., Keswsentini, M., Ochoa, G., Chicano, F., and Doerr, C., editors, Gecco Companion '15: Proceedings of the Companion Publication of the 2015 on Genetic and Evolutionary Computation Conference, pages 1367–1368, Madrid, Spain. ACM.
- [Chen et al., 2015b] Chen, L.-Y., Lee, P.-M., and Hsiao, T.-C. (2015b). A Novel Representation of Classifier Conditions Named Sensory Tag for the XCS in Multistep Problems. In Kuber, K.,

- NAKATA, M., and Shafi, K., editors, GECCO 2015 Evolutionary Rule-based Machine Learning (formerly the International Workshop on Learning Classifier Systems), pages 973–980, Madrid, Spain. ACM.
- [Chennupati et al., 2015a] Chennupati, G., Azad, R. M. A., and Ryan, C. (2015a). On the Automatic Generation of Efficient Parallel Iterative Sorting Algorithms. In Silva, S., Esparcia-Alcazar, A. I., Lopez-Ibanez, M., Mostaghim, S., Timmis, J., Zarges, C., Correia, L., Soule, T., Giacobini, M., Urbanowicz, R., Akimoto, Y., Glasmachers, T., Fernandez de Vega, F., Hoover, A., Larranaga, P., Soto, M., Cotta, C., Pereira, F. B., Handl, J., Koutnik, J., Gaspar-Cunha, A., Trautmann, H., Mouret, J.-B., Risi, S., Costa, E., Schuetze, O., Krawiec, K., Moraglio, A., Miller, J. F., Widera, P., Cagnoni, S., Merelo, J., Hart, E., Trujillo, L., Keswsentini, M., Ochoa, G., Chicano, F., and Doerr, C., editors, Gecco Companion '15: Proceedings of the Companion Publication of the 2015 on Genetic and Evolutionary Computation Conference, pages 1369–1370, Madrid, Spain. ACM.
- [Chennupati et al., 2015b] Chennupati, G., Azad, R. M. A., and Ryan, C. (2015b). Synthesis of Parallel Iterative Sorts with Multi-Core Grammatical Evolution. In Woodward, J., Tauritz, D., and Lopez-Ibanez, M., editors, GECCO 2015 5th Workshop on Evolutionary Computation for the Automated Design of Algorithms (ECADA'15), pages 1059–1066, Madrid, Spain. ACM.
- [CHIVILIKHIN et al., 2015] CHIVILIKHIN, D., IVANOV, I., and SHALYTO, A. (2015). Inferring Temporal Properties of Finite-State Machine Models with Genetic Programming. In Tusar, T. and Naujoks, B., editors, GECCO'15 Student Workshop, pages 1185–1188, Madrid, Spain. ACM.
- [Christmas, 2015] Christmas, J. (2015). Genetic C Programming with Probabilistic Evaluation. In Silva, S., Esparcia-Alcazar, A. I., Lopez-Ibanez, M., Mostaghim, S., Timmis, J., Zarges, C., Correia, L., Soule, T., Giacobini, M., Urbanowicz, R., Akimoto, Y., Glasmachers, T., Fernandez de Vega, F., Hoover, A., Larranaga, P., Soto, M., Cotta, C., Pereira, F. B., Handl, J., Koutnik, J., Gaspar-Cunha, A., Trautmann, H., Mouret, J.-B., Risi, S., Costa, E., Schuetze, O., Krawiec, K., Moraglio, A., Miller, J. F., Widera, P., Cagnoni, S., Merelo, J., Hart, E., Trujillo, L., Keswsentini, M., Ochoa, G., Chicano, F., and Doerr, C., editors, Gecco Companion '15: Proceedings of the Companion Publication of the 2015 on Genetic and Evolutionary Computation Conference, pages 1371–1372, Madrid, Spain. ACM.
- [Cody-Kenny et al., 2015] Cody-Kenny, B., Galvan-Lopez, E., and Barrett, S. (2015). locoGP: Improving Performance by Genetic Programming Java Source Code. In Langdon, W. B., White, D. R., and Petke, J., editors, *Genetic Improvement 2015 Workshop*, pages 811–818, Madrid, Spain. ACM.
- [Coello Coello, 2015] Coello Coello, C. A. (2015). Constraint-Handling Techniques used with Evolutionary Algorithms. In Simoes, A., editor, *GECCO 2015 Advanced Tutorials*, pages 367–389, Madrid, Spain. ACM.
- [Cruz et al., 2015] Cruz, A., Machado, P., Assuncao, F., and Leitao, A. (2015). ELICIT: Evolutionary Computation Visualization. In Walker, D., Everson, R., and Fieldsend, J., editors, 6th Workshop on Visualisation Methods in Genetic and Evolutionary Computation (VizGEC 2015), pages 949–956, Madrid, Spain. ACM.
- [Cussat-Blanc and Banzhaf, 2015] Cussat-Blanc, S. and Banzhaf, W. (2015). Introduction to Gene Regulatory Networks. In Simoes, A., editor, *GECCO 2015 Advanced Tutorials*, pages 589–601, Madrid, Spain. ACM.
- [CUTILLAS-LOZANO et al., 2015] CUTILLAS-LOZANO, J.-M., FRANCO, M.-A., and GIMENEZ, D. (2015). Comparing Variable Width Backtracking and Metaheuristics, Experiments with the Maximum Diversity Problem. In Sudholt, D., editor, GECCO 2015 Late-Breaking Abstracts, pages 753–754, Madrid, Spain. ACM.
- [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 Silva, S., Esparcia-Alcazar, A. I., Lopez-Ibanez, M., Mostaghim, S., Timmis, J., Zarges,

- C., Correia, L., Soule, T., Giacobini, M., Urbanowicz, R., Akimoto, Y., Glasmachers, T., Fernandez de Vega, F., Hoover, A., Larranaga, P., Soto, M., Cotta, C., Pereira, F. B., Handl, J., Koutnik, J., Gaspar-Cunha, A., Trautmann, H., Mouret, J.-B., Risi, S., Costa, E., Schuetze, O., Krawiec, K., Moraglio, A., Miller, J. F., Widera, P., Cagnoni, S., Merelo, J., Hart, E., Trujillo, L., Keswsentini, M., Ochoa, G., Chicano, F., and Doerr, C., editors, Gecco Companion '15: Proceedings of the Companion Publication of the 2015 on Genetic and Evolutionary Computation Conference, pages 1373–1374, Madrid, Spain. ACM.
- [DE BOKX et al., 2015] DE BOKX, R., THIERENS, D., and BOSMAN, P. A. (2015). In Search of Optimal Linkage Trees. In Silva, S., Esparcia-Alcazar, A. I., Lopez-Ibanez, M., Mostaghim, S., Timmis, J., Zarges, C., Correia, L., Soule, T., Giacobini, M., Urbanowicz, R., Akimoto, Y., Glasmachers, T., Fernandez de Vega, F., Hoover, A., Larranaga, P., Soto, M., Cotta, C., Pereira, F. B., Handl, J., Koutnik, J., Gaspar-Cunha, A., Trautmann, H., Mouret, J.-B., Risi, S., Costa, E., Schuetze, O., Krawiec, K., Moraglio, A., Miller, J. F., Widera, P., Cagnoni, S., Merelo, J., Hart, E., Trujillo, L., Keswsentini, M., Ochoa, G., Chicano, F., and Doerr, C., editors, Gecco Companion '15: Proceedings of the Companion Publication of the 2015 on Genetic and Evolutionary Computation Conference, pages 1375–1376, Madrid, Spain. ACM.
- [DE JONG, 2015] DE JONG, K. A. (2015). Evolutionary Computation: A Unified Approach. In SIMOES, A., editor, GECCO 2015 Introductory Tutorials, pages 21–35, Madrid, Spain. ACM.
- [DE LAS CUEVAS DELGADO et al., 2015] DE LAS CUEVAS DELGADO, P., MERELO, J. J., and GARCIA SANCHEZ, P. (2015). Soft Computing Techniques Applied to Corporate and Personal Security. In Tusar, T. and Naujoks, B., editors, *GECCO'15 Student Workshop*, pages 1193–1196, Madrid, Spain. ACM.
- [Decock et al., 2015] Decock, J., Liu, J., and Tetaud, O. (2015). Variance Reduction in Population-Based Optimization: Application to Unit Commitment. In Silva, S., Esparcia-Alcazar, A. I., Lopez-Ibanez, M., Mostaghim, S., Timmis, J., Zarges, C., Correia, L., Soule, T., Giacobini, M., Urbanowicz, R., Akimoto, Y., Glasmachers, T., Fernandez de Vega, F., Hoover, A., Larranaga, P., Soto, M., Cotta, C., Pereira, F. B., Handl, J., Koutnik, J., Gaspar-Cunha, A., Trautmann, H., Mouret, J.-B., Risi, S., Costa, E., Schuetze, O., Krawiec, K., Moraglio, A., Miller, J. F., Widera, P., Cagnoni, S., Merelo, J., Hart, E., Trujillo, L., Keswsentini, M., Ochoa, G., Chicano, F., and Doerr, C., editors, Gecco Companion '15: Proceedings of the Companion Publication of the 2015 on Genetic and Evolutionary Computation Conference, pages 1377–1378, Madrid, Spain. ACM.
- [Decroos et al., 2015] Decroos, T., De Causmaecker, P., and Demoen, B. (2015). Solving Euclidean Steiner Tree Problems with Multi Swarm Optimization. In Silva, S., Esparcia-Alcazar, A. I., Lopez-Ibanez, M., Mostaghim, S., Timmis, J., Zarges, C., Correia, L., Soule, T., Giacobini, M., Urbanowicz, R., Akimoto, Y., Glasmachers, T., Fernandez de Vega, F., Hoover, A., Larranaga, P., Soto, M., Cotta, C., Pereira, F. B., Handl, J., Koutnik, J., Gaspar-Cunha, A., Trautmann, H., Mouret, J.-B., Risi, S., Costa, E., Schuetze, O., Krawiec, K., Moraglio, A., Miller, J. F., Widera, P., Cagnoni, S., Merelo, J., Hart, E., Trujillo, L., Keswsentini, M., Ochoa, G., Chicano, F., and Doerr, C., editors, Gecco Companion '15: Proceedings of the Companion Publication of the 2015 on Genetic and Evolutionary Computation Conference, pages 1379–1380, Madrid, Spain. ACM.
- [Degroote and De Causmaecker, 2015] Degroote, H. and De Causmaecker, P. (2015). Towards a Knowledge Base for Performance Data: A Formal Model for Performance Comparison. In Tusar, T. and Naujoks, B., editors, *Gecco'15 Student Workshop*, pages 1189–1192, Madrid, Spain. ACM.
- [Devautl et al., 2015] Devautl, T., Forrest, S., Tanimoto, I., Soule, T., and Heckendorn, R. (2015). Learning from Demonstration for Distributed, Encapsulated Evolution of Autonomous Outdoor Robots. In Silva, S., Esparcia-Alcazar, A. I., Lopez-Ibanez, M., Mostaghim, S., Timmis, J., Zarges, C., Correia, L., Soule, T., Giacobini, M., Urbanowicz, R., Akimoto, Y., Glasmachers, T., Fernandez de Vega, F., Hoover, A., Larranaga, P., Soto, M.,

- COTTA, C., PEREIRA, F. B., HANDL, J., KOUTNIK, J., GASPAR-CUNHA, A., TRAUTMANN, H., MOURET, J.-B., RISI, S., COSTA, E., SCHUETZE, O., KRAWIEC, K., MORAGLIO, A., MILLER, J. F., WIDERA, P., CAGNONI, S., MERELO, J., HART, E., TRUJILLO, L., KESWSENTINI, M., OCHOA, G., CHICANO, F., and DOERR, C., editors, GECCO Companion '15: Proceedings of the Companion Publication of the 2015 on Genetic and Evolutionary Computation Conference, pages 1381–1382, Madrid, Spain. ACM.
- [Diaz Alvarez et al., 2015] Diaz Alvarez, J., Colmenar, J. M., Risco-Martin, J. L., Lanchares, J., and Garnica, O. (2015). Optimizing Performance of L1 Cache Memory for Embedded Systems driven by Differential Evolution. In Silva, S., Esparcia-Alcazar, A. I., Lopez-Ibanez, M., Mostaghim, S., Timmis, J., Zarges, C., Correia, L., Soule, T., Giacobini, M., Urbanowicz, R., Akimoto, Y., Glasmachers, T., Fernandez de Vega, F., Hoover, A., Larranaga, P., Soto, M., Cotta, C., Pereira, F. B., Handl, J., Koutnik, J., Gaspar-Cunha, A., Trautmann, H., Mouret, J.-B., Risi, S., Costa, E., Schuetze, O., Krawiec, K., Moraglio, A., Miller, J. F., Widera, P., Cagnoni, S., Merelo, J., Hart, E., Trujillo, L., Keswsentini, M., Ochoa, G., Chicano, F., and Doerr, C., editors, Gecco Companion '15: Proceedings of the Companion Publication of the 2015 on Genetic and Evolutionary Computation Conference, pages 1383–1384, Madrid, Spain. ACM.
- [Dorfer et al., 2015] Dorfer, V., Maltsev, S., Dreiseitl, S., Mechtler, K., and Winkler, S. M. (2015). A Symbolic Regression Based Scoring System Improving Peptide Identifications for MS Amanda. In Smith, S. L., Cagnoni, S., and Patton, R. M., editors, Gecco 2015 Medical Applications of Genetic and Evolutionary Computation (MedGec'15) Workshop, pages 1335–1341, Madrid, Spain. ACM.
- [Drugan, 2015] Drugan, M. M. (2015). Synergies between Evolutionary Algorithms and Reinforcement Learning. In Simoes, A., editor, *GECCO 2015 Specialized Tutorials*, pages 723–740, Madrid, Spain. ACM.
- [Du et al., 2015] Du, X., Ni, Y., and Ye, P. (2015). A Multi-objective Evolutionary Algorithm for Rule-based Performance Optimization at Software Architecture Level. In Silva, S., Esparcia-Alcazar, A. I., Lopez-Ibanez, M., Mostaghim, S., Timmis, J., Zarges, C., Correia, L., Soule, T., Giacobini, M., Urbanowicz, R., Akimoto, Y., Glasmachers, T., Fernandez de Vega, F., Hoover, A., Larranaga, P., Soto, M., Cotta, C., Pereira, F. B., Handl, J., Koutnik, J., Gaspar-Cunha, A., Trautmann, H., Mouret, J.-B., Risi, S., Costa, E., Schuetze, O., Krawiec, K., Moraglio, A., Miller, J. F., Widera, P., Cagnoni, S., Merelo, J., Hart, E., Trujillo, L., Keswsentini, M., Ochoa, G., Chicano, F., and Doerr, C., editors, Gecco Companion '15: Proceedings of the Companion Publication of the 2015 on Genetic and Evolutionary Computation Conference, pages 1385–1386, Madrid, Spain. ACM.
- [ENGELBRECHT, 2015] ENGELBRECHT, A. (2015). Particle Swarm Optimization. In SIMOES, A., editor, GECCO 2015 Introductory Tutorials, pages 65–91, Madrid, Spain. ACM.
- [Fatnassi and Chaouachi, 2015] Fatnassi, E. and 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 Sudholt, D., editor, GECCO 2015 Late-Breaking Abstracts, pages 755–756, Madrid, Spain. ACM.
- [Fernandez et al., 2015] Fernandez, S., Alvarez, S., Malatsetxebarria, E., Valledor, P., and Diaz, D. (2015). Performance Comparison of Ant Colony Algorithms for the Scheduling of Steel Production Lines. In Silva, S., Esparcia-Alcazar, A. I., Lopez-Ibanez, M., Mostaghim, S., Timmis, J., Zarges, C., Correia, L., Soule, T., Giacobini, M., Urbanowicz, R., Akimoto, Y., Glasmachers, T., Fernandez de Vega, F., Hoover, A., Larranaga, P., Soto, M., Cotta, C., Pereira, F. B., Handl, J., Koutnik, J., Gaspar-Cunha, A., Trautmann, H., Mouret, J.-B., Risi, S., Costa, E., Schuetze, O., Krawiec, K., Moraglio, A., Miller, J. F., Widera, P., Cagnoni, S., Merelo, J., Hart, E., Trujillo, L., Keswsentini, M., Ochoa, G., Chicano, F., and Doerr, C., editors, Gecco Companion '15: Proceedings of the Companion Publication of the 2015 on Genetic and Evolutionary Computation Conference, pages 1387–1388, Madrid, Spain. ACM.

- [FFRANCON and SCHOENAUER, 2015] FFRANCON, R. and SCHOENAUER, M. (2015). Greedy Semantic Local Search for Small Solutions. In Johnson, C., Krawiec, K., Moraglio, A., and O'Neill, M., editors, GECCO 2015 Semantic Methods in Genetic Programming (SMGP'15) Workshop, pages 1293–1300, Madrid, Spain. ACM.
- [FILIPIAK et al., 2015] FILIPIAK, P., MICHALAK, K., and LIPINSKI, P. (2015). Infeasibility Driven Evolutionary Algorithm with the Anticipation Mechanism for the Reaching Goal in Dynamic Constrained Inverse Kinematics. In Silva, S., Esparcia-Alcazar, A. I., Lopez-Ibanez, M., Mostaghim, S., Timmis, J., Zarges, C., Correia, L., Soule, T., Giacobini, M., Urbanowicz, R., Akimoto, Y., Glasmachers, T., Fernandez de Vega, F., Hoover, A., Larranaga, P., Soto, M., Cotta, C., Pereira, F. B., Handl, J., Koutnik, J., Gaspar-Cunha, A., Trautmann, H., Mouret, J.-B., Risi, S., Costa, E., Schuetze, O., Krawiec, K., Moraglio, A., Miller, J. F., Widera, P., Cagnoni, S., Merelo, J., Hart, E., Trujillo, L., Keswsentini, M., Ochoa, G., Chicano, F., and Doerr, C., editors, Gecco Companion '15: Proceedings of the Companion Publication of the 2015 on Genetic and Evolutionary Computation Conference, pages 1389–1390, Madrid, Spain. ACM.
- [Forstenlechner et al., 2015] Forstenlechner, S., Nicolau, M., Fagan, D., and O'Neill, M. (2015). Introducing Semantic-Clustering Selection in Grammatical Evolution. In Johnson, C., Krawiec, K., Moraglio, A., and O'Neill, M., editors, Gecco 2015 Semantic Methods in Genetic Programming (SMGP'15) Workshop, pages 1277–1284, Madrid, Spain. ACM.
- [Freitas et al., 2015] Freitas, J. S., Garrozi, C., and Valenca, M. (2015). Insertion of Artificial Individuals to Increase the Diversity of Multiobjective Evolutionary Algorithms. In Silva, S., Esparcia-Alcazar, A. I., Lopez-Ibanez, M., Mostaghim, S., Timmis, J., Zarges, C., Correia, L., Soule, T., Giacobini, M., Urbanowicz, R., Akimoto, Y., Glasmachers, T., Fernandez de Vega, F., Hoover, A., Larranaga, P., Soto, M., Cotta, C., Pereira, F. B., Handl, J., Koutnik, J., Gaspar-Cunha, A., Trautmann, H., Mouret, J.-B., Risi, S., Costa, E., Schuetze, O., Krawiec, K., Moraglio, A., Miller, J. F., Widera, P., Cagnoni, S., Merelo, J., Hart, E., Trujillo, L., Keswsentini, M., Ochoa, G., Chicano, F., and Doerr, C., editors, Gecco Companion '15: Proceedings of the Companion Publication of the 2015 on Genetic and Evolutionary Computation Conference, pages 1391–1392, Madrid, Spain. ACM.
- [Gabler et al., 2015] Gabler, A., Colby, M., and Tumer, K. (2015). Learning Based Control of a Fuel Cell Turbine Hybrid Power System. In Silva, S., Esparcia-Alcazar, A. I., Lopez-Ibanez, M., Mostaghim, S., Timmis, J., Zarges, C., Correia, L., Soule, T., Giacobini, M., Urbanowicz, R., Akimoto, Y., Glasmachers, T., Fernandez de Vega, F., Hoover, A., Larranaga, P., Soto, M., Cotta, C., Pereira, F. B., Handl, J., Koutnik, J., Gaspar-Cunha, A., Trautmann, H., Mouret, J.-B., Risi, S., Costa, E., Schuetze, O., Krawiec, K., Moraglio, A., Miller, J. F., Widera, P., Cagnoni, S., Merelo, J., Hart, E., Trujillo, L., Keswsentini, M., Ochoa, G., Chicano, F., and Doerr, C., editors, Gecco Companion '15: Proceedings of the Companion Publication of the 2015 on Genetic and Evolutionary Computation Conference, pages 1393–1394, Madrid, Spain. ACM.
- [GAIER, 2015] GAIER, A. (2015). Evolutionary Design via Indirect Encoding of Non-Uniform Rational Basis Splines. In Tusar, T. and Naujoks, B., editors, *GECCO'15 Student Workshop*, pages 1197–1200, Madrid, Spain. ACM.
- [Gao et al., 2015] Gao, W., Pourhassan, M., and Neumann, F. (2015). Runtime Analysis of Evolutionary Diversity Optimization and the Vertex Cover Problem. In Silva, S., Esparcia-Alcazar, A. I., Lopez-Ibanez, M., Mostaghim, S., Timmis, J., Zarges, C., Correia, L., Soule, T., Giacobini, M., Urbanowicz, R., Akimoto, Y., Glasmachers, T., Fernandez de Vega, F., Hoover, A., Larranaga, P., Soto, M., Cotta, C., Pereira, F. B., Handl, J., Koutnik, J., Gaspar-Cunha, A., Trautmann, H., Mouret, J.-B., Risi, S., Costa, E., Schuetze, O., Krawiec, K., Moraglio, A., Miller, J. F., Widera, P., Cagnoni, S., Merelo, J., Hart, E., Trujillo, L., Keswsentini, M., Ochoa, G., Chicano, F., and Doerr, C., editors, Gecco Companion '15: Proceedings of the Companion Publication of the 2015 on Genetic and Evolutionary Computation Conference, pages 1395–1396, Madrid, Spain. ACM.

- [GARZA-FABRE et al., 2015] GARZA-FABRE, M., KANDATHIL, S. M., HANDL, J., KNOWLES, J. D., and LOVELL, S. C. (2015). Using Machine Learning to Explore the Relevance of Local and Global Features During Conformational Search in Rosetta. In Santos, J., Handl, J., and Shehu, A., editors, GECCO 2015 Workshop on Evolutionary Computation in Computational Structural Biology, pages 935–938, Madrid, Spain. ACM.
- [Garzon-Rodriguez et al., 2015] Garzon-Rodriguez, L. P., Diosa, H. A., and Rojas-Galeano, S. (2015). Deconstructing GAs into Visual Software Components. In Wagner, S. and Affenzeller, M., editors, GECCO 2015 Workshop on Evolutionary Computation Software Systems (EvoSoft'15), pages 1125–1132, Madrid, Spain. ACM.
- [Gaudesi et al., 2015] Gaudesi, M., Marcelli, A., Sanchez, E., Squillero, G., and Tonda, A. (2015). Malware Obfuscation through Evolutionary Packers. In Sudholt, D., editor, GECCO 2015 Late-Breaking Abstracts, pages 757–758, Madrid, Spain. ACM.
- [Ghassemi Toosi et al., 2015] Ghassemi Toosi, F., Nikolov, N. S., and Eaton, M. (2015). Evolving Smart Initial Layouts for Force-Directed Graph Drawing. In Silva, S., Esparcia-Alcazar, A. I., Lopez-Ibanez, M., Mostaghim, S., Timmis, J., Zarges, C., Correia, L., Soule, T., Giacobini, M., Urbanowicz, R., Akimoto, Y., Glasmachers, T., Fernandez de Vega, F., Hoover, A., Larranaga, P., Soto, M., Cotta, C., Pereira, F. B., Handl, J., Koutnik, J., Gaspar-Cunha, A., Trautmann, H., Mouret, J.-B., Risi, S., Costa, E., Schuetze, O., Krawiec, K., Moraglio, A., Miller, J. F., Widera, P., Cagnoni, S., Merelo, J., Hart, E., Trujillo, L., Keswsentini, M., Ochoa, G., Chicano, F., and Doerr, C., editors, Gecco Companion '15: Proceedings of the Companion Publication of the 2015 on Genetic and Evolutionary Computation Conference, pages 1397–1398, Madrid, Spain. ACM.
- [Golemo et al., 2015] Golemo, F., Markovic, M., Schoormans, J., De Jonge, P., Couwenberg, M., and Haasdijk, E. (2015). Simulating Morphological Evolution in Large Robot Populations. In Prieto, A., Bredeche, N., and Haasdijk, E., editors, Gecco 2015 Evolving Collective Behaviors in Robotics (ECBR'15) Workshop, pages 1249–1250, Madrid, Spain. ACM.
- [Gomes et al., 2015] Gomes, J., Mariano, P., and Christensen, A. L. (2015). Hyb-CCEA: Cooperative Coevolution of Hybrid Teams. In Prieto, A., Bredeche, N., and Haasdijk, E., editors, GECCO 2015 Evolving Collective Behaviors in Robotics (ECBR'15) Workshop, pages 1251–1252, Madrid, Spain. ACM.
- [Gorji Sefidmazgi et al., 2015] Gorji Sefidmazgi, M., Moradi Kordmahalleh, M., and Homaifar, A. (2015). Identification of Switched Models in Non-Stationary Time Series based on Coordinate-Descent and Genetic Algorithm. In Silva, S., Esparcia-Alcazar, A. I., Lopez-Ibanez, M., Mostaghim, S., Timmis, J., Zarges, C., Correia, L., Soule, T., Giacobini, M., Urbanowicz, R., Akimoto, Y., Glasmachers, T., Fernandez de Vega, F., Hoover, A., Larranaga, P., Soto, M., Cotta, C., Pereira, F. B., Handl, J., Koutnik, J., Gaspar-Cunha, A., Trautmann, H., Mouret, J.-B., Risi, S., Costa, E., Schuetze, O., Krawiec, K., Moraglio, A., Miller, J. F., Widera, P., Cagnoni, S., Merelo, J., Hart, E., Trujillo, L., Keswsentini, M., Ochoa, G., Chicano, F., and Doerr, C., editors, Gecco Companion '15: Proceedings of the Companion Publication of the 2015 on Genetic and Evolutionary Computation Conference, pages 1399–1400, Madrid, Spain. ACM.
- [Graham et al., 2015] Graham, K., Swan, J., and Martin, S. (2015). The 'Blackboard Pattern' for Metaheuristics. In Simons, C., Swan, J., Krawiec, K., Tauritz, D., and Smith, J., editors, GECCO 2015 2nd Workshop on Metaheuristic Design Patterns (MetaDeeP'15), pages 1265–1267, Madrid, Spain. ACM.
- [Haddadi and Zincir-Heywood, 2015] Haddadi, F. and Zincir-Heywood, A. N. (2015). Botnet Detection System Analysis on the Effect of Botnet Evolution and Feature Representation. In Moore, F. W. and Zincir-Heywood, N., editors, SecDef'2015 Workshop on genetic and evolutionary computation in defense, security and risk management, pages 893–900, Madrid, Spain. ACM.

- [Hamann, 2015] Hamann, H. (2015). Evolution of Collective Behaviors by Minimizing Surprisal and by Micro-Macro Links. In Prieto, A., Bredeche, N., and Haasdijk, E., editors, *Gecco 2015 Evolving Collective Behaviors in Robotics (ECBR'15) Workshop*, pages 1253–1253, Madrid, Spain. ACM.
- [Haraldsson and Woodward, 2015] Haraldsson, S. O. and Woodward, J. R. (2015). Genetic Improvement of Energy Usage is only as Reliable as the Measurements are Accurate. In Langdon, W. B., White, D. R., and Petke, J., editors, *Genetic Improvement 2015 Workshop*, pages 821–822, Madrid, Spain. ACM.
- [Harman and Petke, 2015] Harman, M. and Petke, J. (2015). GI4GI: Improving Genetic Improvement Fitness Functions. In Langdon, W. B., White, D. R., and Petke, J., editors, Genetic Improvement 2015 Workshop, pages 793–794, Madrid, Spain. ACM.
- [Harris et al., 2015] Harris, S., Bueter, T., and Tauritz, D. R. (2015). A Comparison of Genetic Programming Variants for Hyper-Heuristics. In Woodward, J., Tauritz, D., and Lopez-Ibanez, M., editors, GECCO 2015 5th Workshop on Evolutionary Computation for the Automated Design of Algorithms (ECADA'15), pages 1043–1050, Madrid, Spain. ACM.
- [Hasegawa et al., 2015] Hasegawa, T., Tsukada, K., Mori, N., and Matsumoto, K. (2015). Adaptive Evolution Control with P-I Similarity Index for Surrogate-assisted Evolutionary Computation. In Sudholt, D., editor, GECCO 2015 Late-Breaking Abstracts, pages 759–760, Madrid, Spain. ACM.
- [Heinerman, 2015] Heinerman, J. (2015). Collective Sharing of Knowledge in a DREAM. In Prieto, A., Bredeche, N., and Haasdijk, E., editors, *GECCO 2015 Evolving Collective Behaviors in Robotics (ECBR'15) Workshop*, pages 1243–1244, Madrid, Spain. ACM.
- [Heywood and Krawiec, 2015] Heywood, M. I. and Krawiec, K. (2015). Solving Complex Problems with Coevolutionary Algorithms. In Simoes, A., editor, *GECCO 2015 Advanced Tutorials*, pages 547–573, Madrid, Spain. ACM.
- [Hruska and Kubalik, 2015] Hruska, F. and Kubalik, J. (2015). Selection Hyper-Heuristic Using a Portfolio of Derivative Heuristics. In Silva, S., Esparcia-Alcazar, A. I., Lopez-Ibanez, M., Mostaghim, S., Timmis, J., Zarges, C., Correia, L., Soule, T., Giacobini, M., Urbanowicz, R., Akimoto, Y., Glasmachers, T., Fernandez de Vega, F., Hoover, A., Larranaga, P., Soto, M., Cotta, C., Pereira, F. B., Handl, J., Koutnik, J., Gaspar-Cunha, A., Trautmann, H., Mouret, J.-B., Risi, S., Costa, E., Schuetze, O., Krawiec, K., Moraglio, A., Miller, J. F., Widera, P., Cagnoni, S., Merelo, J., Hart, E., Trujillo, L., Keswsentini, M., Ochoa, G., Chicano, F., and Doerr, C., editors, Gecco Companion '15: Proceedings of the Companion Publication of the 2015 on Genetic and Evolutionary Computation Conference, pages 1401–1402, Madrid, Spain. ACM.
- [Inostroza-Ponta et al., 2015] Inostroza-Ponta, M., Farfan, C., and Dorn, M. (2015). A Memetic Algorithm for Protein Structure Prediction based on Conformational Preferences of Aminoacid Residues. In Silva, S., Esparcia-Alcazar, A. I., Lopez-Ibanez, M., Mostaghim, S., Timmis, J., Zarges, C., Correia, L., Soule, T., Giacobini, M., Urbanowicz, R., Akimoto, Y., Glasmachers, T., Fernandez de Vega, F., Hoover, A., Larranaga, P., Soto, M., Cotta, C., Pereira, F. B., Handl, J., Koutnik, J., Gaspar-Cunha, A., Trautmann, H., Mouret, J.-B., Risi, S., Costa, E., Schuetze, O., Krawiec, K., Moraglio, A., Miller, J. F., Widera, P., Cagnoni, S., Merelo, J., Hart, E., Trujillo, L., Keswsentini, M., Ochoa, G., Chicano, F., and Doerr, C., editors, Gecco Companion '15: Proceedings of the Companion Publication of the 2015 on Genetic and Evolutionary Computation Conference, pages 1403–1404, Madrid, Spain. ACM.
- [IZIDORO et al., 2015] IZIDORO, S., LACERDA, A. M., and PAPPA, G. L. (2015). MeGASS: Multi-Objective Genetic Active Site Search. In Santos, J., Handl, J., and Shehu, A., editors, GECCO 2015 Workshop on Evolutionary Computation in Computational Structural Biology, pages 905–910, Madrid, Spain. ACM.

- [Jankee et al., 2015] Jankee, C., Verel, S., Derbel, B., and Flonlupt, C. (2015). New Adaptive Selection Strategies for Distributed Adaptive Metaheuristic Selection. In Silva, S., Esparcia-Alcazar, A. I., Lopez-Ibanez, M., Mostaghim, S., Timmis, J., Zarges, C., Correia, L., Soule, T., Giacobini, M., Urbanowicz, R., Akimoto, Y., Glasmachers, T., Fernandez de Vega, F., Hoover, A., Larranaga, P., Soto, M., Cotta, C., Pereira, F. B., Handl, J., Koutnik, J., Gaspar-Cunha, A., Trautmann, H., Mouret, J.-B., Risi, S., Costa, E., Schuetze, O., Krawiec, K., Moraglio, A., Miller, J. F., Widera, P., Cagnoni, S., Merelo, J., Hart, E., Trujillo, L., Keswsentini, M., Ochoa, G., Chicano, F., and Doerr, C., editors, Gecco Companion '15: Proceedings of the Companion Publication of the 2015 on Genetic and Evolutionary Computation Conference, pages 1405–1406, Madrid, Spain. ACM.
- [JIA et al., 2015a] JIA, G., HE, S., ZHU, Z., LIU, J., and TANG, K. (2015a). A Multimodal Optimization and Surprise Based Consensus Community Detection Algorithm. In SILVA, S., ESPARCIA-ALCAZAR, A. I., LOPEZ-IBANEZ, M., MOSTAGHIM, S., TIMMIS, J., ZARGES, C., CORREIA, L., SOULE, T., GIACOBINI, M., URBANOWICZ, R., AKIMOTO, Y., GLASMACHERS, T., FERNANDEZ DE VEGA, F., HOOVER, A., LARRANAGA, P., SOTO, M., COTTA, C., PEREIRA, F. B., HANDL, J., KOUTNIK, J., GASPAR-CUNHA, A., TRAUTMANN, H., MOURET, J.-B., RISI, S., COSTA, E., SCHUETZE, O., KRAWIEC, K., MORAGLIO, A., MILLER, J. F., WIDERA, P., CAGNONI, S., MERELO, J., HART, E., TRUJILLO, L., KESWSENTINI, M., OCHOA, G., CHICANO, F., and DOERR, C., editors, GECCO Companion '15: Proceedings of the Companion Publication of the 2015 on Genetic and Evolutionary Computation Conference, pages 1407–1408, Madrid, Spain. ACM.
- [JIA et al., 2015b] JIA, Y., WU, F., HARMAN, M., and KRINKE, J. (2015b). Genetic Improvement using Higher Order Mutation. In Langdon, W. B., White, D. R., and Petke, J., editors, Genetic Improvement 2015 Workshop, pages 803–804, Madrid, Spain. ACM.
- [JIMENEZ LAREDO et al., 2015] JIMENEZ LAREDO, J. L., GUINAND, F., OLIVIER, D., and BOUVRY, P. (2015). Trading Off Resource Utilization and Task Migrations in Dynamic Load-balancing. In SILVA, S., ESPARCIA-ALCAZAR, A. I., LOPEZ-IBANEZ, M., MOSTAGHIM, S., TIMMIS, J., ZARGES, C., CORREIA, L., SOULE, T., GIACOBINI, M., URBANOWICZ, R., AKIMOTO, Y., GLASMACHERS, T., FERNANDEZ DE VEGA, F., HOOVER, A., LARRANAGA, P., SOTO, M., COTTA, C., PEREIRA, F. B., HANDL, J., KOUTNIK, J., GASPAR-CUNHA, A., TRAUTMANN, H., MOURET, J.-B., RISI, S., COSTA, E., SCHUETZE, O., KRAWIEC, K., MORAGLIO, A., MILLER, J. F., WIDERA, P., CAGNONI, S., MERELO, J., HART, E., TRUJILLO, L., KESWSENTINI, M., OCHOA, G., CHICANO, F., and DOERR, C., editors, GECCO Companion '15: Proceedings of the Companion Publication of the 2015 on Genetic and Evolutionary Computation Conference, pages 1409–1410, Madrid, Spain. ACM.
- [Johnson and Woodward, 2015] Johnson, C. G. and Woodward, J. R. (2015). Fitness as Task-relevant Information Accumulation. In Langdon, W. B., White, D. R., and Petke, J., editors, Genetic Improvement 2015 Workshop, pages 855–856, Madrid, Spain. ACM.
- [Jung et al., 2015] Jung, C., Kim, Y.-H., Yoon, Y., and Moon, B.-R. (2015). An Adeaptive Method of Hungarian Mating Schemes in Genetic Algorithms. In Silva, S., Esparcia-Alcazar, A. I., Lopez-Ibanez, M., Mostaghim, S., Timmis, J., Zarges, C., Correia, L., Soule, T., Giacobini, M., Urbanowicz, R., Akimoto, Y., Glasmachers, T., Fernandez de Vega, F., Hoover, A., Larranaga, P., Soto, M., Cotta, C., Pereira, F. B., Handl, J., Koutnik, J., Gaspar-Cunha, A., Trautmann, H., Mouret, J.-B., Risi, S., Costa, E., Schuetze, O., Krawiec, K., Moraglio, A., Miller, J. F., Widera, P., Cagnoni, S., Merelo, J., Hart, E., Trujillo, L., Keswsentini, M., Ochoa, G., Chicano, F., and Doerr, C., editors, Gecco Companion '15: Proceedings of the Companion Publication of the 2015 on Genetic and Evolutionary Computation Conference, pages 1413–1414, Madrid, Spain. ACM.
- [Jungjit and Freitas, 2015] Jungjit, S. and Freitas, A. (2015). A Lexicographic Multi-Objective Genetic Algorithm for Multi-Label Correlation Based Feature Selection. In Kuber, K., Nakata, M., and Shafi, K., editors, GECCO 2015 Evolutionary Rule-based Machine Learning (formerly the International Workshop on Learning Classifier Systems), pages 989–996, Madrid, Spain. ACM.
- [Karimpour and Ruhe, 2015] Karimpour, R. and Ruhe, G. (2015). A Search Based Approach Towards Robust Optimization in Software Product Line Scoping. In Silva, S., Esparcia-Alcazar,

- A. I., Lopez-Ibanez, M., Mostaghim, S., Timmis, J., Zarges, C., Correia, L., Soule, T., Giacobini, M., Urbanowicz, R., Akimoto, Y., Glasmachers, T., Fernandez de Vega, F., Hoover, A., Larranaga, P., Soto, M., Cotta, C., Pereira, F. B., Handl, J., Koutnik, J., Gaspar-Cunha, A., Trautmann, H., Mouret, J.-B., Risi, S., Costa, E., Schuetze, O., Krawiec, K., Moraglio, A., Miller, J. F., Widera, P., Cagnoni, S., Merelo, J., Hart, E., Trujillo, L., Keswsentini, M., Ochoa, G., Chicano, F., and Doerr, C., editors, Gecco Companion '15: Proceedings of the Companion Publication of the 2015 on Genetic and Evolutionary Computation Conference, pages 1415–1416, Madrid, Spain. ACM.
- [Keedwell et al., 2015] Keedwell, E., Johns, M., and Savic, D. (2015). Spatial and Temporal Visualisation of Evolutionary Algorithm Decisions in Water Distribution Network Optimisation. In Walker, D., Everson, R., and Fieldsend, J., editors, 6th Workshop on Visualisation Methods in Genetic and Evolutionary Computation (VizGEC 2015), pages 941–948, Madrid, Spain. ACM.
- [Krynicki and Jaen, 2015] Krynicki, K. and Jaen, J. (2015). AntElements: An Extensible and Scalable Ant Colony Optimization Middleware. In Wagner, S. and Affenzeller, M., editors, GECCO 2015 Workshop on Evolutionary Computation Software Systems (EvoSoft'15), pages 1109–1116, Madrid, Spain. ACM.
- [Kumar et al., 2015] Kumar, U., Jayadeva, and Soman, S. (2015). Enhancing Incremental Ant Colony Algorithm for Continuous Global Optimization. In Silva, S., Esparcia-Alcazar, A. I., Lopez-Ibanez, M., Mostaghim, S., Timmis, J., Zarges, C., Correia, L., Soule, T., Giacobini, M., Urbanowicz, R., Akimoto, Y., Glasmachers, T., Fernandez de Vega, F., Hoover, A., Larranaga, P., Soto, M., Cotta, C., Pereira, F. B., Handl, J., Koutnik, J., Gaspar-Cunha, A., Trautmann, H., Mouret, J.-B., Risi, S., Costa, E., Schuetze, O., Krawiec, K., Moraglio, A., Miller, J. F., Widera, P., Cagnoni, S., Merelo, J., Hart, E., Trujillo, L., Keswsentini, M., Ochoa, G., Chicano, F., and Doerr, C., editors, Gecco Companion '15: Proceedings of the Companion Publication of the 2015 on Genetic and Evolutionary Computation Conference, pages 1417–1418, Madrid, Spain. ACM.
- [Landsborough et al., 2015] Landsborough, J., Harding, S., and Fugate, S. (2015). Removing the Kitchen Sink from Software. In Langdon, W. B., White, D. R., and Petke, J., editors, Genetic Improvement 2015 Workshop, pages 833–838, Madrid, Spain. ACM.
- [Langdon and Harman, 2015] Langdon, W. B. and Harman, M. (2015). Grow and Graft a Better CUDA pknotsRG for RNA Pseudoknot Free Energy Calculation. In Langdon, W. B., White, D. R., and Petke, J., editors, *Genetic Improvement 2015 Workshop*, pages 805–810, Madrid, Spain. ACM.
- [Lehre and Oliveto, 2015] Lehre, P. K. and Oliveto, P. S. (2015). Runtime Analysis of Evolutionary Algorithms: Basic Introduction. In Simoes, A., editor, *GECCO 2015 Introductory Tutorials*, pages 121–136, Madrid, Spain. ACM.
- [Lessin and Risi, 2015] Lessin, D. and Risi, S. (2015). Evolved Virtual Creatures with Soft-Body Muscles: On a Bio-Mimetic Path to Meaningful Morphological Complexity. In Sudholt, D., editor, GECCO 2015 Late-Breaking Abstracts, pages 761–762, Madrid, Spain. ACM.
- [Li et al., 2015] Li, H.-H., Chen, Z.-G., Zhan, Z.-H., Du, K.-J., and Zhang, J. (2015). Renumber Coevolutionary Multiswarm Particle Swarm Optimization for Multi-objective Workflow Scheduling on Cloud Computing Environment. In Silva, S., Esparcia-Alcazar, A. I., Lopez-Ibanez, M., Mostaghim, S., Timmis, J., Zarges, C., Correia, L., Soule, T., Giacobini, M., Urbanowicz, R., Akimoto, Y., Glasmachers, T., Fernandez de Vega, F., Hoover, A., Larranaga, P., Soto, M., Cotta, C., Pereira, F. B., Handl, J., Koutnik, J., Gaspar-Cunha, A., Trautmann, H., Mouret, J.-B., Risi, S., Costa, E., Schuetze, O., Krawiec, K., Moraglio, A., Miller, J. F., Widera, P., Cagnoni, S., Merelo, J., Hart, E., Trujillo, L., Keswsentini, M., Ochoa, G., Chicano, F., and Doerr, C., editors, Gecco Companion '15: Proceedings of the Companion Publication of the 2015 on Genetic and Evolutionary Computation Conference, pages 1419–1420, Madrid, Spain. ACM.

- [Liang et al., 2015] Liang, L., Han, H., Zhaoquan, C., and Hui, H. (2015). Using Particle Swarm Large-scale Optimization to Improve Sampling-based Image Matting. In Walker, D., Everson, R., and Fieldsend, J., editors, 6th Workshop on Visualisation Methods in Genetic and Evolutionary Computation (VizGEC 2015), pages 957–961, Madrid, Spain. ACM.
- [LISKOWSKI et al., 2015] LISKOWSKI, P., KRAWIEC, K., HELMUTH, T., and SPECTOR, L. (2015). Comparison of Semantic-aware Selection Methods in Genetic Programming. In Johnson, C., Krawiec, K., Moraglio, A., and O'neill, M., editors, Gecco 2015 Semantic Methods in Genetic Programming (SMGP'15) Workshop, pages 1301–1307, Madrid, Spain. ACM.
- [Lobato et al., 2015] Lobato, F. M., Tadaiesky, V. W., Araujo, I. M., and de Santana, A. L. (2015). An Evolutionary Missing Data Imputation Method for Pattern Classification. In Kuber, K., Nakata, M., and Shafi, K., editors, GECCO 2015 Evolutionary Rule-based Machine Learning (formerly the International Workshop on Learning Classifier Systems), pages 1013–1019, Madrid, Spain. ACM.
- [Lobo and Bazargani, 2015] Lobo, F. G. and Bazargani, M. (2015). When Hillclimbers Beat Genetic Algorithms in Multimodal Optimization. In Silva, S., Esparcia-Alcazar, A. I., Lopez-Ibanez, M., Mostaghim, S., Timmis, J., Zarges, C., Correia, L., Soule, T., Giacobini, M., Urbanowicz, R., Akimoto, Y., Glasmachers, T., Fernandez de Vega, F., Hoover, A., Larranaga, P., Soto, M., Cotta, C., Pereira, F. B., Handl, J., Koutnik, J., Gaspar-Cunha, A., Trautmann, H., Mouret, J.-B., Risi, S., Costa, E., Schuetze, O., Krawiec, K., Moraglio, A., Miller, J. F., Widera, P., Cagnoni, S., Merelo, J., Hart, E., Trujillo, L., Keswsentini, M., Ochoa, G., Chicano, F., and Doerr, C., editors, Gecco Companion '15: Proceedings of the Companion Publication of the 2015 on Genetic and Evolutionary Computation Conference, pages 1421–1422, Madrid, Spain. ACM.
- [Lopez-Garcia et al., 2015] Lopez-Garcia, P., Onieva, E., Osaba, E., Masegosa, A. D., and Perallos, A. (2015). Hybridizing Genetic Algorithm with Cross Entropy for Solving Continuous Functions. In Sudholt, D., editor, Gecco 2015 Late-Breaking Abstracts, pages 763–764, Madrid, Spain. ACM.
- [Lopez-Herrejon et al., 2015] Lopez-Herrejon, R. E., Linsbauer, L., Assuncao, W. K., Fischer, S., Vergilio, S. R., and Egyed, A. (2015). Genetic Improvement for Software Product Lines: An Overview and a Roadmap. In Langdon, W. B., White, D. R., and Petke, J., editors, Genetic Improvement 2015 Workshop, pages 823–830, Madrid, Spain. ACM.
- [Machado et al., 2015] Machado, J., Neves, R., and Horta, N. (2015). Developing Multi-Time Frame Trading Rules with a Trend Following Strategy, using GA. In Sudholt, D., editor, GECCO 2015 Late-Breaking Abstracts, pages 765–766, Madrid, Spain. ACM.
- [MADERA et al., 2015] MADERA, Q., GARCIA-VALDEZ, M., CASTILLO, O., and MANCILLA, A. (2015). A Method Based on Interactive Evolutionary Computation for Increasing the Effectiveness of Advertisement Texts. In Tusar, T. and Naujoks, B., editors, GECCO'15 Student Workshop, pages 1225–1228, Madrid, Spain. ACM.
- [Margarida and Antunes, 2015] Margarida, D. and Antunes, C. H. (2015). Multi-objective Optimization of Sensor Placement to Detect Contamination in Water Distribution Networks. In Silva, S., Esparcia-Alcazar, A. I., Lopez-Ibanez, M., Mostaghim, S., Timmis, J., Zarges, C., Correia, L., Soule, T., Giacobini, M., Urbanowicz, R., Akimoto, Y., Glasmachers, T., Fernandez de Vega, F., Hoover, A., Larranaga, P., Soto, M., Cotta, C., Pereira, F. B., Handl, J., Koutnik, J., Gaspar-Cunha, A., Trautmann, H., Mouret, J.-B., Risi, S., Costa, E., Schuetze, O., Krawiec, K., Moraglio, A., Miller, J. F., Widera, P., Cagnoni, S., Merelo, J., Hart, E., Trujillo, L., Keswsentini, M., Ochoa, G., Chicano, F., and Doerr, C., editors, Gecco Companion '15: Proceedings of the Companion Publication of the 2015 on Genetic and Evolutionary Computation Conference, pages 1423–1424, Madrid, Spain. ACM.
- [Mariot and Leporati, 2015] Mariot, L. and Leporati, A. (2015). Heuristic Search by Particle Swarm Optimization of Boolean Functions for Cryptographic Applications. In Silva, S., Esparcia-Alcazar, A. I., Lopez-Ibanez, M., Mostaghim, S., Timmis, J., Zarges, C., Correia, L.,

- Soule, T., Giacobini, M., Urbanowicz, R., Akimoto, Y., Glasmachers, T., Fernandez de Vega, F., Hoover, A., Larranaga, P., Soto, M., Cotta, C., Pereira, F. B., Handl, J., Koutnik, J., Gaspar-Cunha, A., Trautmann, H., Mouret, J.-B., Risi, S., Costa, E., Schuetze, O., Krawiec, K., Moraglio, A., Miller, J. F., Widera, P., Cagnoni, S., Merelo, J., Hart, E., Trujillo, L., Keswsentini, M., Ochoa, G., Chicano, F., and Doerr, C., editors, Gecco Companion '15: Proceedings of the Companion Publication of the 2015 on Genetic and Evolutionary Computation Conference, pages 1425–1426, Madrid, Spain. ACM.
- [Marti et al., 2015] Marti, L., Grimme, C., Kerschke, P., Trautmann, H., and Rudolph, G. (2015). Averaged Hausdorff Approximations of Pareto Fronts based on Multiobjective Estimation of Distribution Algorithms. In Silva, S., Esparcia-Alcazar, A. I., Lopez-Ibanez, M., Mostaghim, S., Timmis, J., Zarges, C., Correia, L., Soule, T., Giacobini, M., Urbanowicz, R., Akimoto, Y., Glasmachers, T., Fernandez de Vega, F., Hoover, A., Larranaga, P., Soto, M., Cotta, C., Pereira, F. B., Handl, J., Koutnik, J., Gaspar-Cunha, A., Trautmann, H., Mouret, J.-B., Risi, S., Costa, E., Schuetze, O., Krawiec, K., Moraglio, A., Miller, J. F., Widera, P., Cagnoni, S., Merelo, J., Hart, E., Trujillo, L., Keswsentini, M., Ochoa, G., Chicano, F., and Doerr, C., editors, Gecco Companion '15: Proceedings of the Companion Publication of the 2015 on Genetic and Evolutionary Computation Conference, pages 1427–1428, Madrid, Spain. ACM.
- [Martin et al., 2015] Martin, M. A., Bertels, A. R., and Tauritz, D. R. (2015). Asynchronous Parallel Evolutionary Algorithms: Leveraging Heterogeneous Fitness Evaluation Times for Scalability and Elitist Parsimony Pressure. In Silva, S., Esparcia-Alcazar, A. I., Lopez-Ibanez, M., Mostaghim, S., Timmis, J., Zarges, C., Correia, L., Soule, T., Giacobini, M., Urbanowicz, R., Akimoto, Y., Glasmachers, T., Fernandez de Vega, F., Hoover, A., Larranaga, P., Soto, M., Cotta, C., Pereira, F. B., Handl, J., Koutnik, J., Gaspar-Cunha, A., Trautmann, H., Mouret, J.-B., Risi, S., Costa, E., Schuetze, O., Krawiec, K., Moraglio, A., Miller, J. F., Widera, P., Cagnoni, S., Merelo, J., Hart, E., Trujillo, L., Keswsentini, M., Ochoa, G., Chicano, F., and Doerr, C., editors, Gecco Companion '15: Proceedings of the Companion Publication of the 2015 on Genetic and Evolutionary Computation Conference, pages 1429–1430, Madrid, Spain. ACM.
- [Martin and Tauritz, 2015] Martin, M. A. and Tauritz, D. R. (2015). Hyper-Heuristics: A Study On Increasing Primitive-Space. In Woodward, J., Tauritz, D., and Lopez-Ibanez, M., editors, GECCO 2015 5th Workshop on Evolutionary Computation for the Automated Design of Algorithms (ECADA'15), pages 1051–1058, Madrid, Spain. ACM.
- [Martinez et al., 2015] Martinez, J., Rossi, G., Ziadi, T., Bissyande, T. F. D. A., Klein, J., and Le Traon, Y. (2015). Estimating and Predicting Average Likability on Computer-Generated Artwork Variants. In Silva, S., Esparcia-Alcazar, A. I., Lopez-Ibanez, M., Mostaghim, S., Timmis, J., Zarges, C., Correia, L., Soule, T., Giacobini, M., Urbanowicz, R., Akimoto, Y., Glasmachers, T., Fernandez de Vega, F., Hoover, A., Larranaga, P., Soto, M., Cotta, C., Pereira, F. B., Handl, J., Koutnik, J., Gaspar-Cunha, A., Trautmann, H., Mouret, J.-B., Risi, S., Costa, E., Schuetze, O., Krawiec, K., Moraglio, A., Miller, J. F., Widera, P., Cagnoni, S., Merelo, J., Hart, E., Trujillo, L., Keswsentini, M., Ochoa, G., Chicano, F., and Doerr, C., editors, Gecco Companion '15: Proceedings of the Companion Publication of the 2015 on Genetic and Evolutionary Computation Conference, pages 1431–1432, Madrid, Spain. ACM.
- [Martins and Delbem, 2015] Martins, J. P. and Delbem, A. C. (2015). Handling Crossover Bias to Improve Diversity in Multiobjective Evolutionary Optimization. In Silva, S., Esparcia-Alcazar, A. I., Lopez-Ibanez, M., Mostaghim, S., Timmis, J., Zarges, C., Correia, L., Soule, T., Giacobini, M., Urbanowicz, R., Akimoto, Y., Glasmachers, T., Fernandez De Vega, F., Hoover, A., Larranaga, P., Soto, M., Cotta, C., Pereira, F. B., Handl, J., Koutnik, J., Gaspar-Cunha, A., Trautmann, H., Mouret, J.-B., Risi, S., Costa, E., Schuetze, O., Krawiec, K., Moraglio, A., Miller, J. F., Widera, P., Cagnoni, S., Merelo, J., Hart, E., Trujillo, L., Keswsentini, M., Ochoa, G., Chicano, F., and Doerr, C., editors, Gecco Companion '15: Proceedings of the Companion Publication of the 2015 on Genetic and Evolutionary Computation Conference, pages 1433–1434, Madrid, Spain. ACM.

- [McCall et al., 2015] McCall, J. A., Christie, L. A., and Brownlee, A. E. (2015). Generating Easy and Hard Problems using the Proximate Optimality Principle. In Sudholt, D., editor, GECCO 2015 Late-Breaking Abstracts, pages 767–768, Madrid, Spain. ACM.
- [Medernach et al., 2015a] Medernach, D., Fitzgerald, J., Azad, R. M. A., and Ryan, C. (2015a). Wave: A Genetic Programming Approach to Divide and Conquer. In Silva, S., Esparcia-Alcazar, A. I., Lopez-Ibanez, M., Mostaghim, S., Timmis, J., Zarges, C., Correia, L., Soule, T., Giacobini, M., Urbanowicz, R., Akimoto, Y., Glasmachers, T., Fernandez de Vega, F., Hoover, A., Larranaga, P., Soto, M., Cotta, C., Pereira, F. B., Handl, J., Koutnik, J., Gaspar-Cunha, A., Trautmann, H., Mouret, J.-B., Risi, S., Costa, E., Schuetze, O., Krawiec, K., Moraglio, A., Miller, J. F., Widera, P., Cagnoni, S., Merelo, J., Hart, E., Trujillo, L., Keswsentini, M., Ochoa, G., Chicano, F., and Doerr, C., editors, Gecco Companion '15: Proceedings of the Companion Publication of the 2015 on Genetic and Evolutionary Computation Conference, pages 1435–1436, Madrid, Spain. ACM.
- [Medernach et al., 2015b] Medernach, D., Fitzgerald, J., Azad, R. M. A., and Ryan, C. (2015b). Wave: Incremental Erosion of Residual Error. In Johnson, C., Krawiec, K., Moraglio, A., and O'Neill, M., editors, Gecco 2015 Semantic Methods in Genetic Programming (SMGP'15) Workshop, pages 1285–1292, Madrid, Spain. ACM.
- [Menendez and Camacho, 2015] Menendez, H. D. and Camacho, D. (2015). MOGCLA: A Multi-Objective Genetic Clustering Algorithm for Large Data Analysis. In Silva, S., Esparcia-Alcazar, A. I., Lopez-Ibanez, M., Mostaghim, S., Timmis, J., Zarges, C., Correia, L., Soule, T., Giacobini, M., Urbanowicz, R., Akimoto, Y., Glasmachers, T., Fernandez de Vega, F., Hoover, A., Larranaga, P., Soto, M., Cotta, C., Pereira, F. B., Handl, J., Koutnik, J., Gaspar-Cunha, A., Trautmann, H., Mouret, J.-B., Risi, S., Costa, E., Schuetze, O., Krawiec, K., Moraglio, A., Miller, J. F., Widera, P., Cagnoni, S., Merelo, J., Hart, E., Trujillo, L., Keswsentini, M., Ochoa, G., Chicano, F., and Doerr, C., editors, Gecco Companion '15: Proceedings of the Companion Publication of the 2015 on Genetic and Evolutionary Computation Conference, pages 1437–1438, Madrid, Spain. ACM.
- [Merelo-Guervos, 2015] Merelo-Guervos, J. J. (2015). Low or no cost distributed evolutionary computation. In Simoes, A., editor, *GECCO 2015 Specialized Tutorials*, pages 703–706, Madrid, Spain. ACM.
- [Merelo-Guervos and Garcia-Sanchez, 2015] Merelo-Guervos, J. J. and Garcia-Sanchez, P. (2015). Designing and Modeling a Browser-Based Distributed Evolutionary Computation System. In Wagner, S. and Affenzeller, M., editors, *Gecco 2015 Workshop on Evolutionary Computation Software Systems (EvoSoft'15)*, pages 1117–1124, Madrid, Spain. ACM.
- [MIIKKULAINEN, 2015] MIIKKULAINEN, R. (2015). Evolving Neural Networks. In Simoes, A., editor, GECCO 2015 Introductory Tutorials, pages 137–161, Madrid, Spain. ACM.
- [MILLER and BROERSMA, 2015] MILLER, J. and BROERSMA, H. (2015). Computational Matter: Evolving Computational Solutions in Materials. In Sudholt, D., editor, *GECCO 2015 Late-Breaking Abstracts*, pages 769–770, Madrid, Spain. ACM.
- [MILLER and TURNER, 2015] MILLER, J. and TURNER, A. (2015). Cartesian Genetic Programming. In Simoes, A., editor, *GECCO 2015 Introductory Tutorials*, pages 179–198, Madrid, Spain. ACM.
- [Mirjalili and Lewis, 2015] Mirjalili, S. and Lewis, A. (2015). A Reliable and Computationally Cheap Approach for Finding Robust Optimal Solutions. In Silva, S., Esparcia-Alcazar, A. I., Lopez-Ibanez, M., Mostaghim, S., Timmis, J., Zarges, C., Correia, L., Soule, T., Giacobini, M., Urbanowicz, R., Akimoto, Y., Glasmachers, T., Fernandez de Vega, F., Hoover, A., Larranaga, P., Soto, M., Cotta, C., Pereira, F. B., Handl, J., Koutnik, J., Gaspar-Cunha, A., Trautmann, H., Mouret, J.-B., Risi, S., Costa, E., Schuetze, O., Krawiec, K., Moraglio, A., Miller, J. F., Widera, P., Cagnoni, S., Merelo, J., Hart, E., Trujillo, L., Keswsentini, M., Ochoa, G., Chicano, F., and Doerr, C., editors, Gecco Companion '15: Proceedings of the Companion Publication of the 2015 on Genetic and Evolutionary Computation Conference, pages 1439–1440, Madrid, Spain. ACM.

- [MIRONOVICH and BUZDALOV, 2015] MIRONOVICH, V. and BUZDALOV, M. (2015). Hard Test Generation for Maximum Flow Algorithms with the Fast Crossover-Based Evolutionary Algorithm. In Tusar, T. and Naujoks, B., editors, *GECCO'15 Student Workshop*, pages 1229–1232, Madrid, Spain. ACM.
- [MIYAKAWA et al., 2015] MIYAKAWA, M., TAKADAMA, K., and SATO, H. (2015). Control of Crossed Genes Ratio for Directed Mating in Evolutionary Constrained Multi-Objective Optimization. In TUSAR, T. and NAUJOKS, B., editors, GECCO'15 Student Workshop, pages 1201–1204, Madrid, Spain. ACM.
- [MORAGLIO and KRAWIEC, 2015] MORAGLIO, A. and KRAWIEC, K. (2015). Semantic Genetic Programming. In SIMOES, A., editor, *GECCO 2015 Advanced Tutorials*, pages 603–627, Madrid, Spain. ACM.
- [Mousavi Astarabadi and Ebadzadeh, 2015] Mousavi Astarabadi, S. S. and Ebadzadeh, M. M. (2015). Avoiding Overfitting in Symbolic Regression Using the First Order Derivative of GP Trees. In Silva, S., Esparcia-Alcazar, A. I., Lopez-Ibanez, M., Mostaghim, S., Timmis, J., Zarges, C., Correia, L., Soule, T., Giacobini, M., Urbanowicz, R., Akimoto, Y., Glasmachers, T., Fernandez de Vega, F., Hoover, A., Larranaga, P., Soto, M., Cotta, C., Pereira, F. B., Handl, J., Koutnik, J., Gaspar-Cunha, A., Trautmann, H., Mouret, J.-B., Risi, S., Costa, E., Schuetze, O., Krawiec, K., Moraglio, A., Miller, J. F., Widera, P., Cagnoni, S., Merelo, J., Hart, E., Trujillo, L., Keswsentini, M., Ochoa, G., Chicano, F., and Doerr, C., editors, Gecco Companion '15: Proceedings of the Companion Publication of the 2015 on Genetic and Evolutionary Computation Conference, pages 1441–1442, Madrid, Spain. ACM.
- [Mrazek et al., 2015] Mrazek, V., Vasicek, Z., and Sekanina, L. (2015). Evolutionary Approximation of Software for Embedded Systems: Median Function. In Langdon, W. B., White, D. R., and Petke, J., editors, *Genetic Improvement 2015 Workshop*, pages 795–801, Madrid, Spain. ACM.
- [Mu and Hoos, 2015] Mu, Z. and Hoos, H. H. (2015). Empirical Scaling Analyser: An Automated System for Empirical Analysis of Performance Scaling. In Sudholt, D., editor, *GECCO 2015 Late-Breaking Abstracts*, pages 771–772, Madrid, Spain. ACM.
- [Mueller-Bady et al., 2015] Mueller-Bady, R., Gad, R., Kappes, M., and Medina-Bulo, I. (2015). Using Genetic Algorithms for Deadline-Constrained Monitor Selection in Dynamic Computer Networks. In Moore, F. W. and Zincir-Heywood, N., editors, SecDef'2015 Workshop on genetic and evolutionary computation in defense, security and risk management, pages 867–874, Madrid, Spain. ACM.
- [N. Browne, 2015] N. Browne, W. (2015). Back to the Future: Learning Classifier Systems as Cognitive Systems. In Kuber, K., Nakata, M., and Shafi, K., editors, *GECCO 2015 Evolutionary Rule-based Machine Learning (formerly the International Workshop on Learning Classifier Systems)*, pages 1037–1037, Madrid, Spain. ACM.
- [NAJAR et al., 2015] NAJAR, A., SIGAUD, O., and CHETOUANI, M. (2015). Socially Guided XCS: Using Teaching Signals to Boost Learning. In Kuber, K., Nakata, M., and Shafi, K., editors, GECCO 2015 Evolutionary Rule-based Machine Learning (formerly the International Workshop on Learning Classifier Systems), pages 1021–1028, Madrid, Spain. ACM.
- [Nebro et al., 2015] Nebro, A. J., Durillo, J. J., and Vergne, M. (2015). Redesigning the jMetal Multi-Objective Optimization Framework. In Wagner, S. and Affenzeller, M., editors, GECCO 2015 Workshop on Evolutionary Computation Software Systems (EvoSoft'15), pages 1093—1100, Madrid, Spain. ACM.
- [Neumann and Sutton, 2015] Neumann, F. and Sutton, A. M. (2015). Parameterized Complexity Analysis of Evolutionary Algorithms. In Simoes, A., editor, *GECCO 2015 Advanced Tutorials*, pages 435–450, Madrid, Spain. ACM.

- [NIELSEN et al., 2015] NIELSEN, S. S., DANOY, G., BOUVRY, P., and TALBI, E.-G. (2015). NK Landscape Instances Mimicking the Protein Inverse Folding Problem Towards Future Benchmarks. In Santos, J., Handl, J., and Shehu, A., editors, GECCO 2015 Workshop on Evolutionary Computation in Computational Structural Biology, pages 915–921, Madrid, Spain. ACM.
- [Nouri et al., 2015] Nouri, H. E., Belkahla Driss, O., and Ghedira, K. (2015). Metaheuristics based on Clustering in a Holonic Multiagent Model for the Flexible Job Shop Problem. In Kuber, K., Nakata, M., and Shafi, K., editors, Gecco 2015 Evolutionary Rule-based Machine Learning (formerly the International Workshop on Learning Classifier Systems), pages 997–1004, Madrid, Spain. ACM.
- [Oprescu et al., 2015] Oprescu, A.-M., (Vintila) Filip, A., and Kielmann, T. (2015). Fast Pareto Front Approximation for Cloud Instance Pool Optimization. In Silva, S., Esparcia-Alcazar, A. I., Lopez-Ibanez, M., Mostaghim, S., Timmis, J., Zarges, C., Correia, L., Soule, T., Giacobini, M., Urbanowicz, R., Akimoto, Y., Glasmachers, T., Fernandez de Vega, F., Hoover, A., Larranaga, P., Soto, M., Cotta, C., Pereira, F. B., Handl, J., Koutnik, J., Gaspar-Cunha, A., Trautmann, H., Mouret, J.-B., Risi, S., Costa, E., Schuetze, O., Krawiec, K., Moraglio, A., Miller, J. F., Widera, P., Cagnoni, S., Merelo, J., Hart, E., Trujillo, L., Keswsentini, M., Ochoa, G., Chicano, F., and Doerr, C., editors, Gecco Companion '15: Proceedings of the Companion Publication of the 2015 on Genetic and Evolutionary Computation Conference, pages 1443–1444, Madrid, Spain. ACM.
- [O'Reilly, 2015] O'Reilly, U.-M. (2015). Genetic Programming: A Tutorial Introduction. In Simoes, A., editor, *GECCO 2015 Introductory Tutorials*, pages 3–19, Madrid, Spain. ACM.
- [Overbury and Berthouze, 2015] Overbury, P. and Berthouze, L. (2015). Using Novelty-Biased GA to Sample Diversity in Graphs Satisfying Constraints. In Silva, S., Esparcia-Alcazar, A. I., Lopez-Ibanez, M., Mostaghim, S., Timmis, J., Zarges, C., Correia, L., Soule, T., Giacobini, M., Urbanowicz, R., Akimoto, Y., Glasmachers, T., Fernandez de Vega, F., Hoover, A., Larranaga, P., Soto, M., Cotta, C., Pereira, F. B., Handl, J., Koutnik, J., Gaspar-Cunha, A., Trautmann, H., Mouret, J.-B., Risi, S., Costa, E., Schuetze, O., Krawiec, K., Moraglio, A., Miller, J. F., Widera, P., Cagnoni, S., Merelo, J., Hart, E., Trujillo, L., Keswsentini, M., Ochoa, G., Chicano, F., and Doerr, C., editors, Gecco Companion '15: Proceedings of the Companion Publication of the 2015 on Genetic and Evolutionary Computation Conference, pages 1445–1446, Madrid, Spain. ACM.
- [Ozkan et al., 2015] Ozkan, O., Ermis, M., and Bekmezci, I. (2015). A Hybrid Matheuristic Approach for Designing Reliable Wireless Multimedia Sensor Networks. In Moore, F. W. and Zincir-Heywood, N., editors, SecDef'2015 Workshop on genetic and evolutionary computation in defense, security and risk management, pages 875–882, Madrid, Spain. ACM.
- [Pallez et al., 2015] Pallez, D., Serrurier, M., da Costa Pereira, C., Fusco, G., and Cao, C. (2015). Social Specialization of Space: Clustering Households on the French Riviera. In Silva, S., Esparcia-Alcazar, A. I., Lopez-Ibanez, M., Mostaghim, S., Timmis, J., Zarges, C., Correia, L., Soule, T., Giacobini, M., Urbanowicz, R., Akimoto, Y., Glasmachers, T., Fernandez de Vega, F., Hoover, A., Larranaga, P., Soto, M., Cotta, C., Pereira, F. B., Handl, J., Koutnik, J., Gaspar-Cunha, A., Trautmann, H., Mouret, J.-B., Risi, S., Costa, E., Schuetze, O., Krawiec, K., Moraglio, A., Miller, J. F., Widera, P., Cagnoni, S., Merelo, J., Hart, E., Trujillo, L., Keswsentini, M., Ochoa, G., Chicano, F., and Doerr, C., editors, Gecco Companion '15: Proceedings of the Companion Publication of the 2015 on Genetic and Evolutionary Computation Conference, pages 1447–1448, Madrid, Spain. ACM.
- [Papa et al., 2015] Papa, J. P., Rosa, G. H., Costa, K. A., Marana, N. A., Scheirer, W., and Cox, D. D. (2015). On the Model Selection of Bernoulli Restricted Boltzmann Machines Through Harmony Search. In Silva, S., Esparcia-Alcazar, A. I., Lopez-Ibanez, M., Mostaghim, S., Timmis, J., Zarges, C., Correia, L., Soule, T., Giacobini, M., Urbanowicz, R., Akimoto, Y., Glasmachers, T., Fernandez de Vega, F., Hoover, A., Larranaga, P., Soto, M., Cotta, C., Pereira, F. B., Handl, J., Koutnik, J., Gaspar-Cunha, A., Trautmann, H., Mouret, J.-B., Risi, S., Costa, E., Schuetze, O., Krawiec, K., Moraglio, A., Miller,

- J. F., Widera, P., Cagnoni, S., Merelo, J., Hart, E., Trujillo, L., Keswsentini, M., Ochoa, G., Chicano, F., and Doerr, C., editors, *Gecco Companion '15: Proceedings of the Companion Publication of the 2015 on Genetic and Evolutionary Computation Conference*, pages 1449–1450, Madrid, Spain. ACM.
- [Pappa et al., 2015] 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., and Patton, R. M., editors (2015). Gecco Companion '15: Proceedings of the Companion Publication of the 2015 on Genetic and Evolutionary Computation Conference, Madrid, Spain.
- [Park et al., 2015] Park, J., Nguyen, S., Zhang, M., and Johnston, M. (2015). A Single Population Genetic Programming based Ensemble Learning Approach to Job Shop Scheduling. In Silva, S., Esparcia-Alcazar, A. I., Lopez-Ibanez, M., Mostaghim, S., Timmis, J., Zarges, C., Correia, L., Soule, T., Giacobini, M., Urbanowicz, R., Akimoto, Y., Glasmachers, T., Fernandez de Vega, F., Hoover, A., Larranaga, P., Soto, M., Cotta, C., Pereira, F. B., Handl, J., Koutnik, J., Gaspar-Cunha, A., Trautmann, H., Mouret, J.-B., Risi, S., Costa, E., Schuetze, O., Krawiec, K., Moraglio, A., Miller, J. F., Widera, P., Cagnoni, S., Merelo, J., Hart, E., Trujillo, L., Keswsentini, M., Ochoa, G., Chicano, F., and Doerr, C., editors, Gecco Companion '15: Proceedings of the Companion Publication of the 2015 on Genetic and Evolutionary Computation Conference, pages 1451–1452, Madrid, Spain. ACM.
- [Patelli et al., 2015] Patelli, A., Bencomo, N., Ekart, A., Goldingay, H., and Lewis, P. (2015). Two-B or not Two-B?: Design Patterns for Hybrid Metaheuristics. In Simons, C., Swan, J., Krawiec, K., Tauritz, D., and Smith, J., editors, Gecco 2015 2nd Workshop on Metaheuristic Design Patterns (MetaDeeP'15), pages 1269–1274, Madrid, Spain. ACM.
- [Pereira and Lobo, 2015] Pereira, J. C. and Lobo, F. G. (2015). Parameter-less Evolutionary Portfolio: First Experiments. In Sudholt, D., editor, *GECCO 2015 Late-Breaking Abstracts*, pages 773–774, Madrid, Spain. ACM.
- [Perry and Bader-El-Den, 2015] Perry, T. and Bader-El-Den, M. (2015). Imbalanced Classification Using Genetically Optimized Random Forests. In Silva, S., Esparcia-Alcazar, A. I., Lopez-Ibanez, M., Mostaghim, S., Timmis, J., Zarges, C., Correia, L., Soule, T., Giacobini, M., Urbanowicz, R., Akimoto, Y., Glasmachers, T., Fernandez de Vega, F., Hoover, A., Larranaga, P., Soto, M., Cotta, C., Pereira, F. B., Handl, J., Koutnik, J., Gaspar-Cunha, A., Trautmann, H., Mouret, J.-B., Risi, S., Costa, E., Schuetze, O., Krawiec, K., Moraglio, A., Miller, J. F., Widera, P., Cagnoni, S., Merelo, J., Hart, E., Trujillo, L., Keswsentini, M., Ochoa, G., Chicano, F., and Doerr, C., editors, Gecco Companion '15: Proceedings of the Companion Publication of the 2015 on Genetic and Evolutionary Computation Conference, pages 1453–1454, Madrid, Spain. ACM.
- [Petrova and Buzdalova, 2015] Petrova, I. and Buzdalova, A. (2015). Selection of Auxiliary Objectives in the Travelling Salesman Problem using Reinforcement Learning. In Silva, S., Esparcia-Alcazar, A. I., Lopez-Ibanez, M., Mostaghim, S., Timmis, J., Zarges, C., Correia, L., Soule, T., Giacobini, M., Urbanowicz, R., Akimoto, Y., Glasmachers, T., Fernandez de Vega, F., Hoover, A., Larranaga, P., Soto, M., Cotta, C., Pereira, F. B., Handl, J., Koutnik, J., Gaspar-Cunha, A., Trautmann, H., Mouret, J.-B., Risi, S., Costa, E., Schuetze, O., Krawiec, K., Moraglio, A., Miller, J. F., Widera, P., Cagnoni, S., Merelo, J., Hart, E., Trujillo, L., Keswsentini, M., Ochoa, G., Chicano, F., and Doerr, C., editors, Gecco Companion '15: Proceedings of the Companion Publication of the 2015 on Genetic and Evolutionary Computation Conference, pages 1455–1456, Madrid, Spain. ACM.
- [Picek et al., 2015] Picek, S., Miller, J. F., Jakobovic, D., and Batina, L. (2015). Cartesian Genetic Programming Approach for Generating Substitution Boxes of Different Sizes. In Silva,

- S., ESPARCIA-ALCAZAR, A. I., LOPEZ-IBANEZ, M., MOSTAGHIM, S., TIMMIS, J., ZARGES, C., CORREIA, L., SOULE, T., GIACOBINI, M., URBANOWICZ, R., AKIMOTO, Y., GLASMACHERS, T., FERNANDEZ DE VEGA, F., HOOVER, A., LARRANAGA, P., SOTO, M., COTTA, C., PEREIRA, F. B., HANDL, J., KOUTNIK, J., GASPAR-CUNHA, A., TRAUTMANN, H., MOURET, J.-B., RISI, S., COSTA, E., SCHUETZE, O., KRAWIEC, K., MORAGLIO, A., MILLER, J. F., WIDERA, P., CAGNONI, S., MERELO, J., HART, E., TRUJILLO, L., KESWSENTINI, M., OCHOA, G., CHICANO, F., and DOERR, C., editors, *GECCO Companion '15: Proceedings of the Companion Publication of the 2015 on Genetic and Evolutionary Computation Conference*, pages 1457–1458, Madrid, Spain. ACM.
- [Posik and Baudis, 2015] Posik, P. and Baudis, P. (2015). Dimension Selection in Axis-Parallel Brent-STEP Method for Black-Box Optimization of Separable Continuous Functions. In Akimoto, Y., Auger, A., Brockhoff, D., Hansen, N., Mersmann, O., and Posik, P., editors, Black Box Optimization Benchmarking (BBOB 2015) Workshop, pages 1151–1158, Madrid, Spain. ACM.
- [Preuss, 2015] Preuss, M. (2015). Multimodal Optimization. In Simoes, A., editor, GECCO 2015 Introductory Tutorials, pages 293–312, Madrid, Spain. ACM.
- [Probst, 2015] Probst, M. (2015). Denoising Autoencoders for Fast Combinatorial Black Box Optimization. In Silva, S., Esparcia-Alcazar, A. I., Lopez-Ibanez, M., Mostaghim, S., Timmis, J., Zarges, C., Correia, L., Soule, T., Giacobini, M., Urbanowicz, R., Akimoto, Y., Glasmachers, T., Fernandez de Vega, F., Hoover, A., Larranaga, P., Soto, M., Cotta, C., Pereira, F. B., Handl, J., Koutnik, J., Gaspar-Cunha, A., Trautmann, H., Mouret, J.-B., Risi, S., Costa, E., Schuetze, O., Krawiec, K., Moraglio, A., Miller, J. F., Widera, P., Cagnoni, S., Merelo, J., Hart, E., Trujillo, L., Keswsentini, M., Ochoa, G., Chicano, F., and Doerr, C., editors, Gecco Companion '15: Proceedings of the Companion Publication of the 2015 on Genetic and Evolutionary Computation Conference, pages 1459–1460, Madrid, Spain. ACM.
- [Rabanal et al., 2015] Rabanal, P., Rodriguez, I., and Rubio, F. (2015). On the Uselessness of Finite Benchmarks to Assess Evolutionaryand Swarm Methods. In Silva, S., Esparcia-Alcazar, A. I., Lopez-Ibanez, M., Mostaghim, S., Timmis, J., Zarges, C., Correia, L., Soule, T., Giacobini, M., Urbanowicz, R., Akimoto, Y., Glasmachers, T., Fernandez de Vega, F., Hoover, A., Larranaga, P., Soto, M., Cotta, C., Pereira, F. B., Handl, J., Koutnik, J., Gaspar-Cunha, A., Trautmann, H., Mouret, J.-B., Risi, S., Costa, E., Schuetze, O., Krawiec, K., Moraglio, A., Miller, J. F., Widera, P., Cagnoni, S., Merelo, J., Hart, E., Trujillo, L., Keswsentini, M., Ochoa, G., Chicano, F., and Doerr, C., editors, Gecco Companion '15: Proceedings of the Companion Publication of the 2015 on Genetic and Evolutionary Computation Conference, pages 1461–1462, Madrid, Spain. ACM.
- [Ramirez et al., 2015] Ramirez, A., Romero, J. R., and Ventura, S. (2015). An Extensible JCLEC-based Solution for the Implementation of Multi-Objective Evolutionary Algorithms. In Wagner, S. and Affenzeller, M., editors, GECCO 2015 Workshop on Evolutionary Computation Software Systems (EvoSoft'15), pages 1085–1092, Madrid, Spain. ACM.
- [Ramirez-Atencia et al., 2015] Ramirez-Atencia, C., Bello-Orgaz, G., R-Moreno, M. D., and Camacho, D. (2015). A Hybrid MOGA-CSP for Multi-UAV Mission Planning. In Tusar, T. and Naujoks, B., editors, GECCO'15 Student Workshop, pages 1205–1208, Madrid, Spain. ACM.
- [Rass et al., 2015] Rass, A., Schmitt, M., and Wanka, R. (2015). Explanation of Stagnation at Points that are not Local Optima in Particle Swarm Optimization by Potential Analysis. In Silva, S., Esparcia-Alcazar, A. I., Lopez-Ibanez, M., Mostaghim, S., Timmis, J., Zarges, C., Correia, L., Soule, T., Giacobini, M., Urbanowicz, R., Akimoto, Y., Glasmachers, T., Fernandez de Vega, F., Hoover, A., Larranaga, P., Soto, M., Cotta, C., Pereira, F. B., Handl, J., Koutnik, J., Gaspar-Cunha, A., Trautmann, H., Mouret, J.-B., Risi, S., Costa, E., Schuetze, O., Krawiec, K., Moraglio, A., Miller, J. F., Widera, P., Cagnoni, S., Merelo, J., Hart, E., Trujillo, L., Keswsentini, M., Ochoa, G., Chicano, F., and Doerr, C., editors, Gecco Companion '15: Proceedings of the Companion Publication of the 2015 on Genetic and Evolutionary Computation Conference, pages 1463–1464, Madrid, Spain. ACM.

- [Riff and Montero, 2015] Riff, M.-C. and Montero, E. (2015). A Collaborative Strategy to Reduce Initial Setup Requirements of ParamILS using EvoCa. In Silva, S., Esparcia-Alcazar, A. I., Lopez-Ibanez, M., Mostaghim, S., Timmis, J., Zarges, C., Correia, L., Soule, T., Giacobini, M., Urbanowicz, R., Akimoto, Y., Glasmachers, T., Fernandez de Vega, F., Hoover, A., Larranaga, P., Soto, M., Cotta, C., Pereira, F. B., Handl, J., Koutnik, J., Gaspar-Cunha, A., Trautmann, H., Mouret, J.-B., Risi, S., Costa, E., Schuetze, O., Krawiec, K., Moraglio, A., Miller, J. F., Widera, P., Cagnoni, S., Merelo, J., Hart, E., Trujillo, L., Keswsentini, M., Ochoa, G., Chicano, F., and Doerr, C., editors, Gecco Companion '15: Proceedings of the Companion Publication of the 2015 on Genetic and Evolutionary Computation Conference, pages 1467–1468, Madrid, Spain. ACM.
- [RIVERO et al., 2015] RIVERO, D., FERNANDEZ-BLANCO, E., DORADO, J., and PAZOS, A. (2015). Classification of Two-channel Signals by Means of Genetic Programming. In SMITH, S. L., CAGNONI, S., and PATTON, R. M., editors, GECCO 2015 Medical Applications of Genetic and Evolutionary Computation (MedGEC'15) Workshop, pages 1319–1325, Madrid, Spain. ACM.
- [Rojas et al., 2015] Rojas, N., Montero, E., and Riff, M.-C. (2015). Using Anti-pheromone to Identify Core Objects for Multidimensional Knapsack Problems: A Two-step Ants based Approach. In Silva, S., Esparcia-Alcazar, A. I., Lopez-Ibanez, M., Mostaghim, S., Timmis, J., Zarges, C., Correia, L., Soule, T., Giacobini, M., Urbanowicz, R., Akimoto, Y., Glasmachers, T., Fernandez de Vega, F., Hoover, A., Larranaga, P., Soto, M., Cotta, C., Pereira, F. B., Handl, J., Koutnik, J., Gaspar-Cunha, A., Trautmann, H., Mouret, J.-B., Risi, S., Costa, E., Schuetze, O., Krawiec, K., Moraglio, A., Miller, J. F., Widera, P., Cagnoni, S., Merelo, J., Hart, E., Trujillo, L., Keswsentini, M., Ochoa, G., Chicano, F., and Doerr, C., editors, Gecco Companion '15: Proceedings of the Companion Publication of the 2015 on Genetic and Evolutionary Computation Conference, pages 1469–1470, Madrid, Spain. ACM.
- [Rothlauf, 2015] Rothlauf, F. (2015). Representations for Evolutionary Algorithms. In Simoes, A., editor, GECCO 2015 Introductory Tutorials, pages 345–366, Madrid, Spain. ACM.
- [Runka and White, 2015] Runka, A. and White, T. (2015). Evolving Neurocontrollers for the Control of Information Diffusion in Social Networks. In Silva, S., Esparcia-Alcazar, A. I., Lopez-Ibanez, M., Mostaghim, S., Timmis, J., Zarges, C., Correia, L., Soule, T., Giacobini, M., Urbanowicz, R., Akimoto, Y., Glasmachers, T., Fernandez de Vega, F., Hoover, A., Larranaga, P., Soto, M., Cotta, C., Pereira, F. B., Handl, J., Koutnik, J., Gaspar-Cunha, A., Trautmann, H., Mouret, J.-B., Risi, S., Costa, E., Schuetze, O., Krawiec, K., Moraglio, A., Miller, J. F., Widera, P., Cagnoni, S., Merelo, J., Hart, E., Trujillo, L., Keswsentini, M., Ochoa, G., Chicano, F., and Doerr, C., editors, GECCO Companion '15: Proceedings of the Companion Publication of the 2015 on Genetic and Evolutionary Computation Conference, pages 1471–1472, Madrid, Spain. ACM.
- [Rush et al., 2015] Rush, G., Tauritz, D. R., and Kent, A. D. (2015). Coevolutionary Agent-based Network Defense Lightweight Event System (CANDLES). In Moore, F. W. and Zincir-Heywood, N., editors, SecDef'2015 Workshop on genetic and evolutionary computation in defense, security and risk management, pages 859–866, Madrid, Spain. ACM.
- [Ryser-Welch et al., 2015a] Ryser-Welch, P., Miller, J. F., and Asta, S. (2015a). Evolutionary Cross-Domain Hyper-Heuristics. In Silva, S., Esparcia-Alcazar, A. I., Lopez-Ibanez, M., Mostaghim, S., Timmis, J., Zarges, C., Correia, L., Soule, T., Giacobini, M., Urbanowicz, R., Akimoto, Y., Glasmachers, T., Fernandez de Vega, F., Hoover, A., Larranaga, P., Soto, M., Cotta, C., Pereira, F. B., Handl, J., Koutnik, J., Gaspar-Cunha, A., Trautmann, H., Mouret, J.-B., Risi, S., Costa, E., Schuetze, O., Krawiec, K., Moraglio, A., Miller, J. F., Widera, P., Cagnoni, S., Merelo, J., Hart, E., Trujillo, L., Keswsentini, M., Ochoa, G., Chicano, F., and Doerr, C., editors, Gecco Companion '15: Proceedings of the Companion Publication of the 2015 on Genetic and Evolutionary Computation Conference, pages 1473–1474, Madrid, Spain. ACM.
- [Ryser-Welch et al., 2015b] Ryser-Welch, P., Miller, J. F., and Asta, S. (2015b). Generating Human-readable Algorithms for the Travelling Salesman Problem using Hyper-Heuristics. In

- WOODWARD, J., TAURITZ, D., and LOPEZ-IBANEZ, M., editors, GECCO 2015 5th Workshop on Evolutionary Computation for the Automated Design of Algorithms (ECADA'15), pages 1067–1074, Madrid, Spain. ACM.
- [Salah and Hart, 2015] Salah, A. and Hart, E. (2015). Grid Diversity Operator for Some Population-Based Optimization Algorithms. In Silva, S., Esparcia-Alcazar, A. I., Lopez-Ibanez, M., Mostaghim, S., Timmis, J., Zarges, C., Correia, L., Soule, T., Giacobini, M., Urbanowicz, R., Akimoto, Y., Glasmachers, T., Fernandez de Vega, F., Hoover, A., Larranaga, P., Soto, M., Cotta, C., Pereira, F. B., Handl, J., Koutnik, J., Gaspar-Cunha, A., Trautmann, H., Mouret, J.-B., Risi, S., Costa, E., Schuetze, O., Krawiec, K., Moraglio, A., Miller, J. F., Widera, P., Cagnoni, S., Merelo, J., Hart, E., Trujillo, L., Keswsentini, M., Ochoa, G., Chicano, F., and Doerr, C., editors, Gecco Companion '15: Proceedings of the Companion Publication of the 2015 on Genetic and Evolutionary Computation Conference, pages 1475–1476, Madrid, Spain. ACM.
- [Santana et al., 2015] Santana, R., Mendiburu, A., and Lozano, J. A. (2015). Multi-objective NM-Landscapes. In Silva, S., Esparcia-Alcazar, A. I., Lopez-Ibanez, M., Mostaghim, S., Timmis, J., Zarges, C., Correia, L., Soule, T., Giacobini, M., Urbanowicz, R., Akimoto, Y., Glasmachers, T., Fernandez de Vega, F., Hoover, A., Larranaga, P., Soto, M., Cotta, C., Pereira, F. B., Handl, J., Koutnik, J., Gaspar-Cunha, A., Trautmann, H., Mouret, J.-B., Risi, S., Costa, E., Schuetze, O., Krawiec, K., Moraglio, A., Miller, J. F., Widera, P., Cagnoni, S., Merelo, J., Hart, E., Trujillo, L., Keswsentini, M., Ochoa, G., Chicano, F., and Doerr, C., editors, Gecco Companion '15: Proceedings of the Companion Publication of the 2015 on Genetic and Evolutionary Computation Conference, pages 1477–1478, Madrid, Spain. ACM.
- [Santucci et al., 2015] Santucci, V., Baioletti, M., and Milani, A. (2015). An Algebraic Differential Evolution for the Linear Ordering Problem. In Silva, S., Esparcia-Alcazar, A. I., Lopez-Ibanez, M., Mostaghim, S., Timmis, J., Zarges, C., Correia, L., Soule, T., Giacobini, M., Urbanowicz, R., Akimoto, Y., Glasmachers, T., Fernandez de Vega, F., Hoover, A., Larranaga, P., Soto, M., Cotta, C., Pereira, F. B., Handl, J., Koutnik, J., Gaspar-Cunha, A., Trautmann, H., Mouret, J.-B., Risi, S., Costa, E., Schuetze, O., Krawiec, K., Moraglio, A., Miller, J. F., Widera, P., Cagnoni, S., Merelo, J., Hart, E., Trujillo, L., Keswsentini, M., Ochoa, G., Chicano, F., and Doerr, C., editors, Gecco Companion '15: Proceedings of the Companion Publication of the 2015 on Genetic and Evolutionary Computation Conference, pages 1479–1480, Madrid, Spain. ACM.
- [SAPIN et al., 2015] SAPIN, E., DE JONG, K., and SHEHU, A. (2015). Mapping Multiple Minima in Protein Energy Landscapes with Evolutionary Algorithms. In SANTOS, J., HANDL, J., and SHEHU, A., editors, GECCO 2015 Workshop on Evolutionary Computation in Computational Structural Biology, pages 923–927, Madrid, Spain. ACM.
- [SATO et al., 2015] SATO, H., MIYAKAWA, M., and PEREZ-CORTES, E. (2015). A Parallel MOEA/D Generating Solutions in Minimum Overlapped Update Ranges of Solutions. In Sudholt, D., editor, GECCO 2015 Late-Breaking Abstracts, pages 775–776, Madrid, Spain. ACM.
- [Scheibenpflug et al., 2015] Scheibenpflug, A., Beham, A., Kommenda, M., Karder, J., Wagner, S., and Affenzeller, M. (2015). Simplifying Problem Definitions in the Heuristiclab Optimization Environment. In Wagner, S. and Affenzeller, M., editors, GECCO 2015 Workshop on Evolutionary Computation Software Systems (EvoSoft'15), pages 1101–1108, Madrid, Spain. ACM.
- [Schmitt et al., 2015] Schmitt, J., Seufert, S., Zoubek, C., and Koestler, H. (2015). Potential-Field-Based Unit Behavior Optimization for Balancing in StarCraft II. In Silva, S., Esparcia-Alcazar, A. I., Lopez-Ibanez, M., Mostaghim, S., Timmis, J., Zarges, C., Correia, L., Soule, T., Giacobini, M., Urbanowicz, R., Akimoto, Y., Glasmachers, T., Fernandez de Vega, F., Hoover, A., Larranaga, P., Soto, M., Cotta, C., Pereira, F. B., Handl, J., Koutnik, J., Gaspar-Cunha, A., Trautmann, H., Mouret, J.-B., Risi, S., Costa, E., Schuetze, O., Krawiec, K., Moraglio, A., Miller, J. F., Widera, P., Cagnoni, S.,

- MERELO, J., HART, E., TRUJILLO, L., KESWSENTINI, M., OCHOA, G., CHICANO, F., and DOERR, C., editors, GECCO Companion '15: Proceedings of the Companion Publication of the 2015 on Genetic and Evolutionary Computation Conference, pages 1481–1482, Madrid, Spain. ACM.
- [SCHULTE et al., 2015] SCHULTE, E. M., WEIMER, W., and FORREST, S. (2015). Repairing COTS Router Firmware without Access to Source Code or Test Suites: A Case Study in Evolutionary Software Repair. In Langdon, W. B., White, D. R., and Petke, J., editors, Genetic Improvement 2015 Workshop, pages 847–854, Madrid, Spain. ACM.
- [SCOTT and BASSETT, 2015] SCOTT, E. O. and BASSETT, J. K. (2015). Learning Genetic Representations for Classes of Real-Valued Optimization Problems. In WOODWARD, J., TAURITZ, D., and LOPEZ-IBANEZ, M., editors, GECCO 2015 5th Workshop on Evolutionary Computation for the Automated Design of Algorithms (ECADA'15), pages 1075–1082, Madrid, Spain. ACM.
- [Scott and De Jong, 2015] Scott, E. O. and De Jong, K. A. (2015). Evaluation-Time Bias in Asynchronous Evolutionary Algorithms. In Tusar, T. and Naujoks, B., editors, *GECCO'15 Student Workshop*, pages 1209–1212, Madrid, Spain. ACM.
- [Shehu and De Jong, 2015] Shehu, A. and De Jong, K. (2015). Evolutionary Algorithms for Protein Structure Modeling. In Simoes, A., editor, *GECCO 2015 Advanced Tutorials*, pages 533–545, Madrid, Spain. ACM.
- [Sher, 2015] Sher, G. (2015). Momentum Enhanced Neuroevolution. In Silva, S., Esparcia-Alcazar, A. I., Lopez-Ibanez, M., Mostaghim, S., Timmis, J., Zarges, C., Correia, L., Soule, T., Giacobini, M., Urbanowicz, R., Akimoto, Y., Glasmachers, T., Fernandez de Vega, F., Hoover, A., Larranaga, P., Soto, M., Cotta, C., Pereira, F. B., Handl, J., Koutnik, J., Gaspar-Cunha, A., Trautmann, H., Mouret, J.-B., Risi, S., Costa, E., Schuetze, O., Krawiec, K., Moraglio, A., Miller, J. F., Widera, P., Cagnoni, S., Merelo, J., Hart, E., Trujillo, L., Keswsentini, M., Ochoa, G., Chicano, F., and Doerr, C., editors, Gecco Companion '15: Proceedings of the Companion Publication of the 2015 on Genetic and Evolutionary Computation Conference, pages 1483–1484, Madrid, Spain. ACM.
- [Sim and Hart, 2015] Sim, K. and Hart, E. (2015). A Novel Heuristic Generator for JSSP Using a Tree-Based Representation of Dispatching Rules. In Silva, S., Esparcia-Alcazar, A. I., Lopez-Ibanez, M., Mostaghim, S., Timmis, J., Zarges, C., Correia, L., Soule, T., Giacobini, M., Urbanowicz, R., Akimoto, Y., Glasmachers, T., Fernandez de Vega, F., Hoover, A., Larranaga, P., Soto, M., Cotta, C., Pereira, F. B., Handl, J., Koutnik, J., Gaspar-Cunha, A., Trautmann, H., Mouret, J.-B., Risi, S., Costa, E., Schuetze, O., Krawiec, K., Moraglio, A., Miller, J. F., Widera, P., Cagnoni, S., Merelo, J., Hart, E., Trujillo, L., Keswsentini, M., Ochoa, G., Chicano, F., and Doerr, C., editors, Gecco Companion '15: Proceedings of the Companion Publication of the 2015 on Genetic and Evolutionary Computation Conference, pages 1485–1486, Madrid, Spain. ACM.
- [SMITH, 2015] SMITH, S. L. (2015). Medical Applications of Evolutionary Computation. In SIMOES, A., editor, GECCO 2015 Specialized Tutorials, pages 651–679, Madrid, Spain. ACM.
- [Soares et al., 2015] Soares, A. M., Fernandes, B. J., and Bastos-Filho, C. J. (2015). Pyramidal Neural Networks with Variable Receptive Fields Designed by Genetic Algorithms. In Silva, S., Esparcia-Alcazar, A. I., Lopez-Ibanez, M., Mostaghim, S., Timmis, J., Zarges, C., Correia, L., Soule, T., Giacobini, M., Urbanowicz, R., Akimoto, Y., Glasmachers, T., Fernandez de Vega, F., Hoover, A., Larranaga, P., Soto, M., Cotta, C., Pereira, F. B., Handl, J., Koutnik, J., Gaspar-Cunha, A., Trautmann, H., Mouret, J.-B., Risi, S., Costa, E., Schuetze, O., Krawiec, K., Moraglio, A., Miller, J. F., Widera, P., Cagnoni, S., Merelo, J., Hart, E., Trujillo, L., Keswsentini, M., Ochoa, G., Chicano, F., and Doerr, C., editors, Gecco Companion '15: Proceedings of the Companion Publication of the 2015 on Genetic and Evolutionary Computation Conference, pages 1487–1488, Madrid, Spain. ACM.
- [Spector, 2015] Spector, L. (2015). Expressive Genetic Programming. In Simoes, A., editor, GECCO 2015 Advanced Tutorials, pages 409–434, Madrid, Spain. ACM.

- [Stanley, 2015] Stanley, K. O. (2015). Generative and Developmental Systems Tutorial. In Simoes, A., editor, *GECCO 2015 Advanced Tutorials*, pages 503–532, Madrid, Spain. ACM.
- [Stehling et al., 2015] Stehling, T. M., DE Souza, S. R., and De Franca Filho, M. F. (2015). A Hybrid Particle Swarm Optimization for Solving Vehicle Routing Problem with Time Windows. In Silva, S., Esparcia-Alcazar, A. I., Lopez-Ibanez, M., Mostaghim, S., Timmis, J., Zarges, C., Correia, L., Soule, T., Giacobini, M., Urbanowicz, R., Akimoto, Y., Glasmachers, T., Fernandez de Vega, F., Hoover, A., Larranaga, P., Soto, M., Cotta, C., Pereira, F. B., Handl, J., Koutnik, J., Gaspar-Cunha, A., Trautmann, H., Mouret, J.-B., Risi, S., Costa, E., Schuetze, O., Krawiec, K., Moraglio, A., Miller, J. F., Widera, P., Cagnoni, S., Merelo, J., Hart, E., Trujillo, L., Keswsentini, M., Ochoa, G., Chicano, F., and Doerr, C., editors, Gecco Companion '15: Proceedings of the Companion Publication of the 2015 on Genetic and Evolutionary Computation Conference, pages 1489–1490, Madrid, Spain. ACM.
- [STEYVEN et al., 2015] STEYVEN, A., HART, E., and PAECHTER, B. (2015). The Cost of Communication: Environmental Pressure and Survivability in mEDEA. In PRIETO, A., BREDECHE, N., and HAASDIJK, E., editors, GECCO 2015 Evolving Collective Behaviors in Robotics (ECBR'15) Workshop, pages 1239–1240, Madrid, Spain. ACM.
- [Stoean et al., 2015] Stoean, C., Stoean, R., Sandita, A., Mesina, C., Gruia, C. L., and Ciobanu, D. (2015). Evolutionary Search for An Accurate Contour Segmentation in Histopathological Images. In Silva, S., Esparcia-Alcazar, A. I., Lopez-Ibanez, M., Mostaghim, S., Timmis, J., Zarges, C., Correia, L., Soule, T., Giacobini, M., Urbanowicz, R., Akimoto, Y., Glasmachers, T., Fernandez de Vega, F., Hoover, A., Larranaga, P., Soto, M., Cotta, C., Pereira, F. B., Handl, J., Koutnik, J., Gaspar-Cunha, A., Trautmann, H., Mouret, J.-B., Risi, S., Costa, E., Schuetze, O., Krawiec, K., Moraglio, A., Miller, J. F., Widera, P., Cagnoni, S., Merelo, J., Hart, E., Trujillo, L., Keswsentini, M., Ochoa, G., Chicano, F., and Doerr, C., editors, Gecco Companion '15: Proceedings of the Companion Publication of the 2015 on Genetic and Evolutionary Computation Conference, pages 1491–1492, Madrid, Spain. ACM.
- [STUETZLE and LOPEZ-IBANEZ, 2015] STUETZLE, T. and LOPEZ-IBANEZ, M. (2015). Automatic (Offline) Configuration of Algorithms. In SIMOES, A., editor, *GECCO 2015 Specialized Tutorials*, pages 681–702, Madrid, Spain. ACM.
- [Sudholt, 2015] Sudholt, D. (2015). Theory of Swarm Intelligence. In Simoes, A., editor, *GECCO* 2015 Advanced Tutorials, pages 451–471, Madrid, Spain. ACM.
- [Sun et al., 2015] Sun, Y., Kirley, M., and Halgamuge, S. K. (2015). On the Selection of Decomposition Methods for Large Scale Fully Non-separable Problems. In Tusar, T. and Naujoks, B., editors, GECCO'15 Student Workshop, pages 1213–1216, Madrid, Spain. ACM.
- [Sungu and Boz, 2015] Sungu, G. and Boz, B. (2015). An Evolutionary Algorithm for Weighted Graph Coloring Problem. In Tusar, T. and Naujoks, B., editors, *GECCO'15 Student Workshop*, pages 1233–1236, Madrid, Spain. ACM.
- [Takadama, 2015] Takadama, K. (2015). A Potential of Evolutionary Rule-based Machine Learning for Real World Applications. In Kuber, K., Nakata, M., and Shafi, K., editors, GECCO 2015 Evolutionary Rule-based Machine Learning (formerly the International Workshop on Learning Classifier Systems), pages 1039–1040, Madrid, Spain. ACM.
- [Tanabe, 2015] Tanabe, R. (2015). A Note on Multi-Funnel Functions for Expensive Optimization Scenario. In Silva, S., Esparcia-Alcazar, A. I., Lopez-Ibanez, M., Mostaghim, S., Timmis, J., Zarges, C., Correia, L., Soule, T., Giacobini, M., Urbanowicz, R., Akimoto, Y., Glasmachers, T., Fernandez de Vega, F., Hoover, A., Larranaga, P., Soto, M., Cotta, C., Pereira, F. B., Handl, J., Koutnik, J., Gaspar-Cunha, A., Trautmann, H., Mouret, J.-B., Risi, S., Costa, E., Schuetze, O., Krawiec, K., Moraglio, A., Miller, J. F., Widera, P., Cagnoni, S., Merelo, J., Hart, E., Trujillo, L., Keswsentini, M., Ochoa, G., Chicano, F., and Doerr, C., editors, Gecco Companion '15: Proceedings of the Companion Publication of the 2015 on Genetic and Evolutionary Computation Conference, pages 1493–1494, Madrid, Spain. ACM.

- [Thierens and Bosman, 2015] Thierens, D. and Bosman, P. A. (2015). Model-Based Evolutionary Algorithms. In Simoes, A., editor, *GECCO 2015 Introductory Tutorials*, pages 93–120, Madrid, Spain. ACM.
- [Tomassini, 2015] Tomassini, M. (2015). Introduction to Complex Networks. In Simoes, A., editor, GECCO 2015 Introductory Tutorials, pages 163–178, Madrid, Spain. ACM.
- [Trueba et al., 2015] Trueba, P., Prieto, A., Bellas, F., and Duro, R. J. (2015). Embodied Evolution for Collective Indoor Surveillance and Location. In Prieto, A., Bredeche, N., and Haasdijk, E., editors, GECCO 2015 Evolving Collective Behaviors in Robotics (ECBR'15) Workshop, pages 1241–1242, Madrid, Spain. ACM.
- [Trunfio, 2015] Trunfio, G. A. (2015). An Effective Approach for Adapting the Size of Subcomponents in Large-Scale Optimization with Cooperative Coevolution. In Silva, S., Esparcia-Alcazar, A. I., Lopez-Ibanez, M., Mostaghim, S., Timmis, J., Zarges, C., Correia, L., Soule, T., Giacobini, M., Urbanowicz, R., Akimoto, Y., Glasmachers, T., Fernandez de Vega, F., Hoover, A., Larranaga, P., Soto, M., Cotta, C., Pereira, F. B., Handl, J., Koutnik, J., Gaspar-Cunha, A., Trautmann, H., Mouret, J.-B., Risi, S., Costa, E., Schuetze, O., Krawiec, K., Moraglio, A., Miller, J. F., Widera, P., Cagnoni, S., Merelo, J., Hart, E., Trujillo, L., Keswsentini, M., Ochoa, G., Chicano, F., and Doerr, C., editors, Gecco Companion '15: Proceedings of the Companion Publication of the 2015 on Genetic and Evolutionary Computation Conference, pages 1495–1496, Madrid, Spain. ACM.
- [Tsang and Lau, 2015] Tsang, W. W. and Lau, H. Y. (2015). A Grid-facilitated AIS-based Network Scheme for Many-objective Optimization. In Silva, S., Esparcia-Alcazar, A. I., Lopez-Ibanez, M., Mostaghim, S., Timmis, J., Zarges, C., Correia, L., Soule, T., Giacobini, M., Urbanowicz, R., Akimoto, Y., Glasmachers, T., Fernandez de Vega, F., Hoover, A., Larranaga, P., Soto, M., Cotta, C., Pereira, F. B., Handl, J., Koutnik, J., Gaspar-Cunha, A., Trautmann, H., Mouret, J.-B., Risi, S., Costa, E., Schuetze, O., Krawiec, K., Moraglio, A., Miller, J. F., Widera, P., Cagnoni, S., Merelo, J., Hart, E., Trujillo, L., Keswsentini, M., Ochoa, G., Chicano, F., and Doerr, C., editors, Gecco Companion '15: Proceedings of the Companion Publication of the 2015 on Genetic and Evolutionary Computation Conference, pages 1497–1498, Madrid, Spain. ACM.
- [Tsutsui and Fujimoto, 2015] Tsutsui, S. and Fujimoto, N. (2015). A Comparative Study of Synchronization of Parallel ACO on Multi-core Processor. In Sudholt, D., editor, *GECCO 2015 Late-Breaking Abstracts*, pages 777–778, Madrid, Spain. ACM.
- [Turner and Miller, 2015] Turner, A. J. and Miller, J. F. (2015). Recurrent Cartesian Genetic Programming Applied to Series Forecasting. In Silva, S., Esparcia-Alcazar, A. I., Lopez-Ibanez, M., Mostaghim, S., Timmis, J., Zarges, C., Correia, L., Soule, T., Giacobini, M., Urbanowicz, R., Akimoto, Y., Glasmachers, T., Fernandez de Vega, F., Hoover, A., Larranaga, P., Soto, M., Cotta, C., Pereira, F. B., Handl, J., Koutnik, J., Gaspar-Cunha, A., Trautmann, H., Mouret, J.-B., Risi, S., Costa, E., Schuetze, O., Krawiec, K., Moraglio, A., Miller, J. F., Widera, P., Cagnoni, S., Merelo, J., Hart, E., Trujillo, L., Keswsentini, M., Ochoa, G., Chicano, F., and Doerr, C., editors, Gecco Companion '15: Proceedings of the Companion Publication of the 2015 on Genetic and Evolutionary Computation Conference, pages 1499–1500, Madrid, Spain. ACM.
- [Ugolotti and Cagnoni, 2015] Ugolotti, R. and Cagnoni, S. (2015). Automatic Tuning of Standard PSO Versions. In Silva, S., Esparcia-Alcazar, A. I., Lopez-Ibanez, M., Mostaghim, S., Timmis, J., Zarges, C., Correia, L., Soule, T., Giacobini, M., Urbanowicz, R., Akimoto, Y., Glasmachers, T., Fernandez de Vega, F., Hoover, A., Larranaga, P., Soto, M., Cotta, C., Pereira, F. B., Handl, J., Koutnik, J., Gaspar-Cunha, A., Trautmann, H., Mouret, J.-B., Risi, S., Costa, E., Schuetze, O., Krawiec, K., Moraglio, A., Miller, J. F., Widera, P., Cagnoni, S., Merelo, J., Hart, E., Trujillo, L., Keswsentini, M., Ochoa, G., Chicano, F., and Doerr, C., editors, Gecco Companion '15: Proceedings of the Companion Publication of the 2015 on Genetic and Evolutionary Computation Conference, pages 1501–1502, Madrid, Spain. ACM.

- [Urbanowicz and Browne, 2015] Urbanowicz, R. and Browne, W. (2015). Introducing Rule-based Machine Learning: A Practical Guide. In Simoes, A., editor, *GECCO 2015 Introductory Tutorials*, pages 263–292, Madrid, Spain. ACM.
- [Urbanowicz et al., 2015] Urbanowicz, R., Ramanand, N., and Moore, J. (2015). Continuous Endpoint Data Mining with ExSTraCs: A Supervised Learning Classifier System. In Kuber, K., Nakata, M., and Shafi, K., editors, GECCO 2015 Evolutionary Rule-based Machine Learning (formerly the International Workshop on Learning Classifier Systems), pages 1029–1036, Madrid, Spain. ACM.
- [Urquhart et al., 2015] Urquhart, N. B., Hart, E., and Judson, A. (2015). Multi-Modal Employee Routing with Time Windows in an Urban Environment. In Silva, S., Esparcia-Alcazar, A. I., Lopez-Ibanez, M., Mostaghim, S., Timmis, J., Zarges, C., Correia, L., Soule, T., Giacobini, M., Urbanowicz, R., Akimoto, Y., Glasmachers, T., Fernandez de Vega, F., Hoover, A., Larranaga, P., Soto, M., Cotta, C., Pereira, F. B., Handl, J., Koutnik, J., Gaspar-Cunha, A., Trautmann, H., Mouret, J.-B., Risi, S., Costa, E., Schuetze, O., Krawiec, K., Moraglio, A., Miller, J. F., Widera, P., Cagnoni, S., Merelo, J., Hart, E., Trujillo, L., Keswsentini, M., Ochoa, G., Chicano, F., and Doerr, C., editors, Gecco Companion '15: Proceedings of the Companion Publication of the 2015 on Genetic and Evolutionary Computation Conference, pages 1503–1504, Madrid, Spain. ACM.
- [Varela and Santos, 2015] Varela, D. and Santos, J. (2015). Combination of Differential Evolution and Fragment-based Replacements for Protein Structure Prediction. In Santos, J., Handl, J., and Shehu, A., editors, GECCO 2015 Workshop on Evolutionary Computation in Computational Structural Biology, pages 911–914, Madrid, Spain. ACM.
- [Vargas et al., 2015] Vargas, D. V., Takano, H., and Murata, J. (2015). The Relationship Between (Un)Fractured Problems and Division of Input Space. In Kuber, K., Nakata, M., and Shafi, K., editors, GECCO 2015 Evolutionary Rule-based Machine Learning (formerly the International Workshop on Learning Classifier Systems), pages 981–987, Madrid, Spain. ACM.
- [Vasicek and Sekanina, 2015] Vasicek, Z. and Sekanina, L. (2015). Evolutionary Approximation of Complex Digital Circuits. In Silva, S., Esparcia-Alcazar, A. I., Lopez-Ibanez, M., Mostaghim, S., Timmis, J., Zarges, C., Correia, L., Soule, T., Giacobini, M., Urbanowicz, R., Akimoto, Y., Glasmachers, T., Fernandez de Vega, F., Hoover, A., Larranaga, P., Soto, M., Cotta, C., Pereira, F. B., Handl, J., Koutnik, J., Gaspar-Cunha, A., Trautmann, H., Mouret, J.-B., Risi, S., Costa, E., Schuetze, O., Krawiec, K., Moraglio, A., Miller, J. F., Widera, P., Cagnoni, S., Merelo, J., Hart, E., Trujillo, L., Keswsentini, M., Ochoa, G., Chicano, F., and Doerr, C., editors, Gecco Companion '15: Proceedings of the Companion Publication of the 2015 on Genetic and Evolutionary Computation Conference, pages 1505–1506, Madrid, Spain. ACM.
- [Velasco et al., 2015] Velasco, J. M., Winkler, S., Hidalgo, J. I., Garnica, O., Lanchares, J., Colmenar, J. M., Maqueda, E., Botella, M., and Rubio, J.-A. (2015). Data-Based Identification of Prediction Models for Glucose. In Smith, S. L., Cagnoni, S., and Patton, R. M., editors, Gecco 2015 Medical Applications of Genetic and Evolutionary Computation (MedGec'15) Workshop, pages 1327–1334, Madrid, Spain. ACM.
- [Verbancsics, 2015] Verbancsics, P. (2015). Impact of Speciation Heuristic on Crossover and Search in NEAT. In Silva, S., Esparcia-Alcazar, A. I., Lopez-Ibanez, M., Mostaghim, S., Timmis, J., Zarges, C., Correia, L., Soule, T., Giacobini, M., Urbanowicz, R., Akimoto, Y., Glasmachers, T., Fernandez de Vega, F., Hoover, A., Larranaga, P., Soto, M., Cotta, C., Pereira, F. B., Handl, J., Koutnik, J., Gaspar-Cunha, A., Trautmann, H., Mouret, J.-B., Risi, S., Costa, E., Schuetze, O., Krawiec, K., Moraglio, A., Miller, J. F., Widera, P., Cagnoni, S., Merelo, J., Hart, E., Trujillo, L., Keswsentini, M., Ochoa, G., Chicano, F., and Doerr, C., editors, Gecco Companion '15: Proceedings of the Companion Publication of the 2015 on Genetic and Evolutionary Computation Conference, pages 1509–1510, Madrid, Spain. ACM.

- [Verbancsics and Harguess, 2015] Verbancsics, P. and Harguess, J. (2015). Classifying Maritime Vessels from Satellite Imagery with HyperNEAT. In Silva, S., Esparcia-Alcazar, A. I., Lopez-Ibanez, M., Mostaghim, S., Timmis, J., Zarges, C., Correia, L., Soule, T., Giacobini, M., Urbanowicz, R., Akimoto, Y., Glasmachers, T., Fernandez de Vega, F., Hoover, A., Larranaga, P., Soto, M., Cotta, C., Pereira, F. B., Handl, J., Koutnik, J., Gaspar-Cunha, A., Trautmann, H., Mouret, J.-B., Risi, S., Costa, E., Schuetze, O., Krawiec, K., Moraglio, A., Miller, J. F., Widera, P., Cagnoni, S., Merelo, J., Hart, E., Trujillo, L., Keswsentini, M., Ochoa, G., Chicano, F., and Doerr, C., editors, Gecco Companion '15: Proceedings of the Companion Publication of the 2015 on Genetic and Evolutionary Computation Conference, pages 1507–1508, Madrid, Spain. ACM.
- [VON LUECKEN et al., 2015] VON LUECKEN, C., MONZON, H., BRIZUELA, C., and BARAN, B. (2015). Dimensionality Reduction in Many-objective Problems Combining PCA and Spectral Clustering. In SILVA, S., ESPARCIA-ALCAZAR, A. I., LOPEZ-IBANEZ, M., MOSTAGHIM, S., TIMMIS, J., ZARGES, C., CORREIA, L., SOULE, T., GIACOBINI, M., URBANOWICZ, R., AKIMOTO, Y., GLASMACHERS, T., FERNANDEZ DE VEGA, F., HOOVER, A., LARRANAGA, P., SOTO, M., COTTA, C., PEREIRA, F. B., HANDL, J., KOUTNIK, J., GASPAR-CUNHA, A., TRAUTMANN, H., MOURET, J.-B., RISI, S., COSTA, E., SCHUETZE, O., KRAWIEC, K., MORAGLIO, A., MILLER, J. F., WIDERA, P., CAGNONI, S., MERELO, J., HART, E., TRUJILLO, L., KESWSENTINI, M., OCHOA, G., CHICANO, F., and DOERR, C., editors, GECCO Companion '15: Proceedings of the Companion Publication of the 2015 on Genetic and Evolutionary Computation Conference, pages 1511–1512, Madrid, Spain. ACM.
- [Wagy and Bongard, 2015] Wagy, M. D. and Bongard, J. C. (2015). Crowdseeding Robot Design. In Silva, S., Esparcia-Alcazar, A. I., Lopez-Ibanez, M., Mostaghim, S., Timmis, J., Zarges, C., Correia, L., Soule, T., Giacobini, M., Urbanowicz, R., Akimoto, Y., Glasmachers, T., Fernandez de Vega, F., Hoover, A., Larranaga, P., Soto, M., Cotta, C., Pereira, F. B., Handl, J., Koutnik, J., Gaspar-Cunha, A., Trautmann, H., Mouret, J.-B., Risi, S., Costa, E., Schuetze, O., Krawiec, K., Moraglio, A., Miller, J. F., Widera, P., Cagnoni, S., Merelo, J., Hart, E., Trujillo, L., Keswsentini, M., Ochoa, G., Chicano, F., and Doerr, C., editors, Gecco Companion '15: Proceedings of the Companion Publication of the 2015 on Genetic and Evolutionary Computation Conference, pages 1513–1514, Madrid, Spain. ACM.
- [Walker, 2015] Walker, D. J. (2015). Visualising Multi-objective Populations with Treemaps. In Walker, D., Everson, R., and Fieldsend, J., editors, 6th Workshop on Visualisation Methods in Genetic and Evolutionary Computation (VizGEC 2015), pages 963–970, Madrid, Spain. ACM.
- [Watkins and Buttkewitz, 2015] Watkins, C. and Buttkewitz, Y. (2015). Efficient Sampling with Small Populations: a Genetic Algorithm Satisfying Detailed Balance. In Silva, S., Esparcia-Alcazar, A. I., Lopez-Ibanez, M., Mostaghim, S., Timmis, J., Zarges, C., Correia, L., Soule, T., Giacobini, M., Urbanowicz, R., Akimoto, Y., Glasmachers, T., Fernandez de Vega, F., Hoover, A., Larranaga, P., Soto, M., Cotta, C., Pereira, F. B., Handl, J., Koutnik, J., Gaspar-Cunha, A., Trautmann, H., Mouret, J.-B., Risi, S., Costa, E., Schuetze, O., Krawiec, K., Moraglio, A., Miller, J. F., Widera, P., Cagnoni, S., Merelo, J., Hart, E., Trujillo, L., Keswsentini, M., Ochoa, G., Chicano, F., and Doerr, C., editors, Gecco Companion '15: Proceedings of the Companion Publication of the 2015 on Genetic and Evolutionary Computation Conference, pages 1517–1518, Madrid, Spain. ACM.
- [Weiss Cohen et al., 2015] Weiss Cohen, M., Dahan, A., and Kaspi, I. (2015). Software System for Container Vessel Stowage Planning using Genetic Algorithm. In Silva, S., Esparcia-Alcazar, A. I., Lopez-Ibanez, M., Mostaghim, S., Timmis, J., Zarges, C., Correia, L., Soule, T., Giacobini, M., Urbanowicz, R., Akimoto, Y., Glasmachers, T., Fernandez de Vega, F., Hoover, A., Larranaga, P., Soto, M., Cotta, C., Pereira, F. B., Handl, J., Koutnik, J., Gaspar-Cunha, A., Trautmann, H., Mouret, J.-B., Risi, S., Costa, E., Schuetze, O., Krawiec, K., Moraglio, A., Miller, J. F., Widera, P., Cagnoni, S., Merelo, J., Hart, E., Trujillo, L., Keswsentini, M., Ochoa, G., Chicano, F., and Doerr, C., editors, Gecco Companion '15: Proceedings of the Companion Publication of the 2015 on Genetic and Evolutionary Computation Conference, pages 1519–1520, Madrid, Spain. ACM.

- [White and Singer, 2015] White, D. R. and Singer, J. (2015). Rethinking Genetic Improvement Programming. In Langdon, W. B., White, D. R., and Petke, J., editors, *Genetic Improvement 2015 Workshop*, pages 845–846, Madrid, Spain. ACM.
- [White et al., 2015] White, D. R., Yoo, S., and Singer, J. (2015). The Programming Game: Evaluating MCTS as an Alternative to GP for Symbolic Regression. In Silva, S., Esparcia-Alcazar, A. I., Lopez-Ibanez, M., Mostaghim, S., Timmis, J., Zarges, C., Correia, L., Soule, T., Giacobini, M., Urbanowicz, R., Akimoto, Y., Glasmachers, T., Fernandez De Vega, F., Hoover, A., Larranaga, P., Soto, M., Cotta, C., Pereira, F. B., Handl, J., Koutnik, J., Gaspar-Cunha, A., Trautmann, H., Mouret, J.-B., Risi, S., Costa, E., Schuetze, O., Krawiec, K., Moraglio, A., Miller, J. F., Widera, P., Cagnoni, S., Merelo, J., Hart, E., Trujillo, L., Keswsentini, M., Ochoa, G., Chicano, F., and Doerr, C., editors, Gecco Companion '15: Proceedings of the Companion Publication of the 2015 on Genetic and Evolutionary Computation Conference, pages 1521–1522, Madrid, Spain. ACM.
- [Whitley, 2015] Whitley, D. (2015). Blind No More: Constant Time Non-Random Improving Moves and Exponentially Powerful Recombination. In Simoes, A., editor, *GECCO 2015 Advanced Tutorials*, pages 391–407, Madrid, Spain. ACM.
- [Woodward and Tauritz, 2015] Woodward, J. R. and Tauritz, D. R. (2015). Hyper-Heuristics. In Simoes, A., editor, *GECCO 2015 Introductory Tutorials*, pages 199–230, Madrid, Spain. ACM.
- [Wu et al., 2015] Wu, Y.-M., Chen, L.-Y., Lee, P.-M., and Hsiao, T.-C. (2015). Enable the XCS to Dynamically Learn Multiple Problems: A Sensor Tagging Approach. In Silva, S., Esparcia-Alcazar, A. I., Lopez-Ibanez, M., Mostaghim, S., Timmis, J., Zarges, C., Correia, L., Soule, T., Giacobini, M., Urbanowicz, R., Akimoto, Y., Glasmachers, T., Fernandez de Vega, F., Hoover, A., Larranaga, P., Soto, M., Cotta, C., Pereira, F. B., Handl, J., Koutnik, J., Gaspar-Cunha, A., Trautmann, H., Mouret, J.-B., Risi, S., Costa, E., Schuetze, O., Krawiec, K., Moraglio, A., Miller, J. F., Widera, P., Cagnoni, S., Merelo, J., Hart, E., Trujillo, L., Keswsentini, M., Ochoa, G., Chicano, F., and Doerr, C., editors, Gecco Companion '15: Proceedings of the Companion Publication of the 2015 on Genetic and Evolutionary Computation Conference, pages 1523–1524, Madrid, Spain. ACM.
- [XIE et al., 2015] XIE, J., MEI, Y., and SONG, A. (2015). Evolving Self-Adaptive Tabu Search Algorithm for Storage Location Assignment Problems. In Sudholt, D., editor, GECCO 2015 Late-Breaking Abstracts, pages 779–780, Madrid, Spain. ACM.
- [Yang, 2015] Yang, S. (2015). Evolutionary Computation for Dynamic Optimization Problems. In Simoes, A., editor, *GECCO 2015 Advanced Tutorials*, pages 629–649, Madrid, Spain. ACM.
- [Yeboah-Antwi and Baudry, 2015] Yeboah-Antwi, K. and Baudry, B. (2015). Embedding Adaptivity in Software Systems using the ECSELR framework. In Langdon, W. B., White, D. R., and Petke, J., editors, *Genetic Improvement 2015 Workshop*, pages 839–844, Madrid, Spain. ACM.
- [YLINIEMI and TUMER, 2015] YLINIEMI, L. and TUMER, K. (2015). Complete Multi-Objective Coverage with PaCcET. In Silva, S., Esparcia-Alcazar, A. I., Lopez-Ibanez, M., Mostaghim, S., Timmis, J., Zarges, C., Correia, L., Soule, T., Giacobini, M., Urbanowicz, R., Akimoto, Y., Glasmachers, T., Fernandez de Vega, F., Hoover, A., Larranaga, P., Soto, M., Cotta, C., Pereira, F. B., Handl, J., Koutnik, J., Gaspar-Cunha, A., Trautmann, H., Mouret, J.-B., Risi, S., Costa, E., Schuetze, O., Krawiec, K., Moraglio, A., Miller, J. F., Widera, P., Cagnoni, S., Merelo, J., Hart, E., Trujillo, L., Keswsentini, M., Ochoa, G., Chicano, F., and Doerr, C., editors, Gecco Companion '15: Proceedings of the Companion Publication of the 2015 on Genetic and Evolutionary Computation Conference, pages 1525–1526, Madrid, Spain. ACM.
- [ZAHADAT et al., 2015] ZAHADAT, P., HAMANN, H., and SCHMICKL, T. (2015). Evolving Diverse Collective Behaviors Independent of Swarm Density. In PRIETO, A., BREDECHE, N., and HAASDIJK, E., editors, GECCO 2015 Evolving Collective Behaviors in Robotics (ECBR'15) Workshop, pages 1245–1246, Madrid, Spain. ACM.

- [Zegklitz and Posik, 2015a] Zegklitz, J. and Posik, P. (2015a). Model Selection and Overfitting in Genetic Programming: Empirical Study. In Silva, S., Esparcia-Alcazar, A. I., Lopez-Ibanez, M., Mostaghim, S., Timmis, J., Zarges, C., Correia, L., Soule, T., Giacobini, M., Urbanowicz, R., Akimoto, Y., Glasmachers, T., Fernandez de Vega, F., Hoover, A., Larranaga, P., Soto, M., Cotta, C., Pereira, F. B., Handl, J., Koutnik, J., Gaspar-Cunha, A., Trautmann, H., Mouret, J.-B., Risi, S., Costa, E., Schuetze, O., Krawiec, K., Moraglio, A., Miller, J. F., Widera, P., Cagnoni, S., Merelo, J., Hart, E., Trujillo, L., Keswsentini, M., Ochoa, G., Chicano, F., and Doerr, C., editors, Gecco Companion '15: Proceedings of the Companion Publication of the 2015 on Genetic and Evolutionary Computation Conference, pages 1527–1528, Madrid, Spain. ACM.
- [Zegklitz and Posik, 2015b] Zegklitz, J. and Posik, P. (2015b). Symbolic Regression by Grammar-based Multi-Gene Genetic Programming. In Tusar, T. and Naujoks, B., editors, GECCO'15 Student Workshop, pages 1217–1220, Madrid, Spain. ACM.
- [Zhang and Cagnoni, 2015] Zhang, M. and Cagnoni, S. (2015). Evolutionary Image Analysis, Signal Processing and Pattern Recognition. In Simoes, A., editor, *GECCO 2015 Advanced Tutorials*, pages 473–502, Madrid, Spain. ACM.
- [ZHANG and DENG, 2015] ZHANG, M. and DENG, Y. (2015). An Improved Artificial Fish Swarm Algorithm in Image Segmentation application. In Sudholt, D., editor, *GECCO 2015 Late-Breaking Abstracts*, pages 781–782, Madrid, Spain. ACM.
- [Zheng et al., 2015] Zheng, J., Bai, H., Shen, R., and Li, M. (2015). A Comparative Study Use of OTL for Many-objective Optimization. In Silva, S., Esparcia-Alcazar, A. I., Lopez-Ibanez, M., Mostaghim, S., Timmis, J., Zarges, C., Correia, L., Soule, T., Giacobini, M., Urbanowicz, R., Akimoto, Y., Glasmachers, T., Fernandez de Vega, F., Hoover, A., Larranaga, P., Soto, M., Cotta, C., Pereira, F. B., Handl, J., Koutnik, J., Gaspar-Cunha, A., Trautmann, H., Mouret, J.-B., Risi, S., Costa, E., Schuetze, O., Krawiec, K., Moraglio, A., Miller, J. F., Widera, P., Cagnoni, S., Merelo, J., Hart, E., Trujillo, L., Keswsentini, M., Ochoa, G., Chicano, F., and Doerr, C., editors, Gecco Companion '15: Proceedings of the Companion Publication of the 2015 on Genetic and Evolutionary Computation Conference, pages 1411–1412, Madrid, Spain. ACM.