# Список литературы

[1] U.-M. O'Reilly, Genetic programming: A tutorial introduction, in *GECCO 2015 Introductory Tutorials*, edited by A. Simoes, pp. 3–19, Madrid, Spain, 2015, ACM.

[2] K. A. De Jong, Evolutionary computation: A unified approach, in *GECCO 2015 Introductory Tutorials*, edited by A. Simoes, pp. 21–35, Madrid, Spain, 2015, ACM.

[3] D. Brockhoff and T. Wagner, Tutorial on evolutionary multiobjective optimization, in *GECCO 2015 Introductory Tutorials*, edited by A. Simoes, pp. 37–63, Madrid, Spain, 2015, ACM.

[4] A. Engelbrecht, Particle swarm optimization, in *GECCO 2015 Introductory Tutorials*, edited by A. Simoes, pp. 65–91, Madrid, Spain, 2015, ACM.

[5] D. Thierens and P. A. Bosman, Model-based evolutionary algorithms, in *GECCO 2015 Introductory Tutorials*, edited by A. Simoes, pp. 93–120, Madrid, Spain, 2015, ACM.

[6] P. K. Lehre and P. S. Oliveto, Runtime analysis of evolutionary algorithms: Basic introduction, in *GECCO 2015 Introductory Tutorials*, edited by A. Simoes, pp. 121–136, Madrid, Spain, 2015, ACM.

[7] R. Miikkulainen, Evolving neural networks, in *GECCO 2015 Introductory Tutorials*, edited by A. Simoes, pp. 137–161, Madrid, Spain, 2015, ACM.

[8] M. Tomassini, Introduction to complex networks, in *GECCO 2015 Introductory Tutorials*, edited by A. Simoes, pp. 163–178, Madrid, Spain, 2015, ACM.

[9] J. Miller and A. Turner, Cartesian genetic programming, in *GECCO 2015 Introductory Tutorials*, edited by A. Simoes, pp. 179–198, Madrid, Spain, 2015, ACM.

[10] J. R. Woodward and D. R. Tauritz, Hyper-heuristics, in *GECCO 2015 Introductory Tutorials*, edited by A. Simoes, pp. 199–230, Madrid, Spain, 2015, ACM.

[11] N. Bredeche, S. Doncieux and J.-B. Mouret, Tutorial on evolutionary robotics, in *GECCO 2015 Introductory Tutorials*, edited by A. Simoes, pp. 231–261, Madrid, Spain, 2015, ACM.

[12] R. Urbanowicz and W. Browne, Introducing rule-based machine learning: A practical guide, in *GECCO 2015 Introductory Tutorials*, edited by A. Simoes, pp. 263–292, Madrid, Spain, 2015, ACM.

[13] M. Preuss, Multimodal optimization, in *GECCO 2015 Introductory Tutorials*, edited by A. Simoes, pp. 293–312, Madrid, Spain, 2015, ACM.

[14] Y. Akimoto, A. Auger and N. Hansen, Continuous optimization and cma-es, in *GECCO 2015 Introductory Tutorials*, edited by A. Simoes, pp. 313–344, Madrid, Spain, 2015, ACM.

[15] F. Rothlauf, Representations for evolutionary algorithms, in *GECCO 2015 Introductory Tutorials*, edited by A. Simoes, pp. 345–366, Madrid, Spain, 2015, ACM.

[16] C. A. Coello Coello, Constraint-handling techniques used with evolutionary algorithms, in *GECCO 2015 Advanced Tutorials*, edited by A. Simoes, pp. 367–389, Madrid, Spain, 2015, ACM.

[17] D. Whitley, Blind no more: Constant time non-random improving moves and exponentially powerful recombination, in *GECCO 2015 Advanced Tutorials*, edited by A. Simoes, pp. 391–407, Madrid, Spain, 2015, ACM.

[18] L. Spector, Expressive genetic programming, in *GECCO 2015 Advanced Tutorials*, edited by A. Simoes, pp. 409–434, Madrid, Spain, 2015, ACM.

[19] F. Neumann and A. M. Sutton, Parameterized complexity analysis of evolutionary algorithms, in *GECCO 2015 Advanced Tutorials*, edited by A. Simoes, pp. 435–450, Madrid, Spain, 2015, ACM.

[20] D. Sudholt, Theory of swarm intelligence, in *GECCO 2015 Advanced Tutorials*, edited by A. Simoes, pp. 451–471, Madrid, Spain, 2015, ACM.

[21] M. Zhang and S. Cagnoni, Evolutionary image analysis, signal processing and pattern recognition, in *GECCO 2015 Advanced Tutorials*, edited by A. Simoes, pp. 473–502, Madrid, Spain, 2015, ACM.

[22] K. O. Stanley, Generative and developmental systems tutorial, in *GECCO 2015 Advanced Tutorials*, edited by A. Simoes, pp. 503–532, Madrid, Spain, 2015, ACM.

[23] A. Shehu and K. De Jong, Evolutionary algorithms for protein structure modeling, in *GECCO 2015 Advanced Tutorials*, edited by A. Simoes, pp. 533–545, Madrid, Spain, 2015, ACM.

[24] M. I. Heywood and K. Krawiec, Solving complex problems with coevolutionary algorithms, in *GECCO 2015 Advanced Tutorials*, edited by A. Simoes, pp. 547–573, Madrid, Spain, 2015, ACM.

[25] Y. Akimoto and A. Auger, Theory of evolution strategies and related algorithms, in *GECCO 2015 Advanced Tutorials*, edited by A. Simoes, pp. 575–588, Madrid, Spain, 2015, ACM.

[26] S. Cussat-Blanc and W. Banzhaf, Introduction to gene regulatory networks, in *GECCO 2015 Advanced Tutorials*, edited by A. Simoes, pp. 589–601, Madrid, Spain, 2015, ACM.

[27] A. Moraglio and K. Krawiec, Semantic genetic programming, in *GECCO 2015 Advanced Tutorials*, edited by A. Simoes, pp. 603–627, Madrid, Spain, 2015, ACM.

[28] S. Yang, Evolutionary computation for dynamic optimization problems, in *GECCO 2015 Advanced Tutorials*, edited by A. Simoes, pp. 629–649, Madrid, Spain, 2015, ACM.

[29] S. L. Smith, Medical applications of evolutionary computation, in *GECCO 2015 Specialized Tutorials*, edited by A. Simoes, pp. 651–679, Madrid, Spain, 2015, ACM.

[30] T. Stuetzle and M. Lopez-Ibanez, Automatic (offline) configuration of algorithms, in *GECCO 2015 Specialized Tutorials*, edited by A. Simoes, pp. 681–702, Madrid, Spain, 2015, ACM.

[31] E. Alba, Intelligent systems for smart cities, in *GECCO 2015 Specialized Tutorials*, edited by A. Simoes, pp. 707–722, Madrid, Spain, 2015, ACM.

[32] J. J. Merelo-Guervos, Low or no cost distributed evolutionary computation, in *GECCO 2015 Specialized Tutorials*, edited by A. Simoes, pp. 703–706, Madrid, Spain, 2015, ACM.

[33] M. M. Drugan, Synergies between evolutionary algorithms and reinforcement learning, in *GECCO 2015 Specialized Tutorials*, edited by A. Simoes, pp. 723–740, Madrid, Spain, 2015, ACM.

[34] J. E. Auerbach, G. Heitz, P. M. Kornatowski and D. Floreano, Rapid evolution of robot gaits, in *GECCO 2015 Late-Breaking Abstracts*, edited by D. Sudholt, pp. 743–744, Madrid, Spain, 2015, ACM.

[35] M. Ayodele, J. McCall and O. Regnier-Coudert, Probabilistic model enhanced genetic algorithm for multi-mode resource constrained project scheduling problem, in *GECCO 2015 Late-Breaking Abstracts*, edited by D. Sudholt, pp. 745–746, Madrid, Spain, 2015, ACM.

[36] A. Benbassat and A. Henik, Examining the stroop effect using a developmental spatial neuroevolution system, in *GECCO 2015 Late-Breaking Abstracts*, edited by D. Sudholt, pp. 747–748, Madrid, Spain, 2015, ACM.

[37] M. Buzdalov and V. Parfenov, Various degrees of steadiness in nsga-ii and their influence on the quality of results, in *GECCO 2015 Late-Breaking Abstracts*, edited by D. Sudholt, pp. 749–750, Madrid, Spain, 2015, ACM.

[38] O. Chebbi and J. Chaouachi, Evolutionary approach for minimizing consumed energy in a personal rapid transit transportation system with a multi-depot network topology: Minimizing consumed energy in a prt system with a multi-depot network topology, in *GECCO 2015 Late-Breaking Abstracts*, edited by D. Sudholt, pp. 751–752, Madrid, Spain, 2015, ACM.

[39] J.-M. Cutillas-Lozano, M.-A. Franco and D. Gimenez, Comparing variable width backtracking and metaheuristics, experiments with the maximum diversity problem, in *GECCO 2015 Late-Breaking Abstracts*, edited by D. Sudholt, pp. 753–754, Madrid, Spain, 2015, ACM.

[40] E. Fatnassi and J. Chaouachi, Design and development of a genetic algorithm for the distance constrained vehicle routing problem with environmental issues: Genetic algorithm for the green distance constrained vehicle routing problem, in *GECCO 2015 Late-Breaking Abstracts*, edited by D. Sudholt, pp. 755–756, Madrid, Spain, 2015, ACM.

[41] M. Gaudesi, A. Marcelli, E. Sanchez, G. Squillero and A. Tonda, Malware obfuscation through evolutionary packers, in *GECCO 2015 Late-Breaking Abstracts*, edited by D. Sudholt, pp. 757–758, Madrid, Spain, 2015, ACM.

[42] T. Hasegawa, K. Tsukada, N. Mori and K. Matsumoto, Adaptive evolution control with p-i similarity index for surrogate-assisted evolutionary computation, in *GECCO 2015 Late-Breaking Abstracts*, edited by D. Sudholt, pp. 759–760, Madrid, Spain, 2015, ACM.

[43] D. Lessin and S. Risi, Evolved virtual creatures with soft-body muscles: On a bio-mimetic path to meaningful morphological complexity, in *GECCO 2015 Late-Breaking Abstracts*, edited by D. Sudholt, pp. 761–762, Madrid, Spain, 2015, ACM.

[44] P. Lopez-Garcia, E. Onieva, E. Osaba, A. D. Masegosa and A. Perallos, Hybridizing genetic algorithm with cross entropy for solving continuous functions, in *GECCO 2015 Late-Breaking Abstracts*, edited by D. Sudholt, pp. 763–764, Madrid, Spain, 2015, ACM.

[45] J. Machado, R. Neves and N. Horta, Developing multi-time frame trading rules with a trend following strategy, using ga, in *GECCO 2015 Late-Breaking Abstracts*, edited by D. Sudholt, pp. 765–766, Madrid, Spain, 2015, ACM.

[46] J. A. McCall, L. A. Christie and A. E. Brownlee, Generating easy and hard problems using the proximate optimality principle, in *GECCO 2015 Late-Breaking Abstracts*, edited by D. Sudholt, pp. 767–768, Madrid, Spain, 2015, ACM.

[47] J. Miller and H. Broersma, Computational matter: Evolving computational solutions in materials, in *GECCO 2015 Late-Breaking Abstracts*, edited by D. Sudholt, pp. 769–770, Madrid, Spain, 2015, ACM.

[48] Z. Mu and H. H. Hoos, Empirical scaling analyser: An automated system for empirical analysis of performance scaling, in *GECCO 2015 Late-Breaking Abstracts*, edited by D. Sudholt, pp. 771–772, Madrid, Spain, 2015, ACM.

[49] J. C. Pereira and F. G. Lobo, Parameter-less evolutionary portfolio: First experiments, in *GECCO 2015 Late-Breaking Abstracts*, edited by D. Sudholt, pp. 773–774, Madrid, Spain, 2015, ACM.

[50] H. Sato, M. Miyakawa and E. Perez-Cortes, A parallel moea/d generating solutions in minimum overlapped update ranges of solutions, in *GECCO 2015 Late-Breaking Abstracts*, edited by D. Sudholt, pp. 775–776, Madrid, Spain, 2015, ACM.

[51] S. Tsutsui and N. Fujimoto, A comparative study of synchronization of parallel aco on multi-core processor, in *GECCO 2015 Late-Breaking Abstracts*, edited by D. Sudholt, pp. 777–778, Madrid, Spain, 2015, ACM.

[52] J. Xie, Y. Mei and A. Song, Evolving self-adaptive tabu search algorithm for storage location assignment problems, in *GECCO 2015 Late-Breaking Abstracts*, edited by D. Sudholt, pp. 779–780, Madrid, Spain, 2015, ACM.

[53] M. Zhang and Y. Deng, An improved artificial fish swarm algorithm in image segmentation application, in *GECCO 2015 Late-Breaking Abstracts*, edited by D. Sudholt, pp. 781–782, Madrid, Spain, 2015, ACM.

[54] M. Harman and J. Petke, Gi4gi: Improving genetic improvement fitness functions, in *Genetic Improvement 2015 Workshop*, edited by W. B. Langdon, D. R. White and J. Petke, pp. 793–794, Madrid, Spain, 2015, ACM.

[55] V. Mrazek, Z. Vasicek and L. Sekanina, Evolutionary approximation of software for embedded systems: Median function, in *Genetic Improvement 2015 Workshop*, edited by W. B. Langdon, D. R. White and J. Petke, pp. 795–801, Madrid, Spain, 2015, ACM.

[56] Y. Jia, F. Wu, M. Harman and J. Krinke, Genetic improvement using higher order mutation, in *Genetic Improvement 2015 Workshop*, edited by W. B. Langdon, D. R. White and J. Petke, pp. 803–804, Madrid, Spain, 2015, ACM.

[57] W. B. Langdon and M. Harman, Grow and graft a better cuda pknotsrg for rna pseudoknot free energy calculation, in *Genetic Improvement 2015 Workshop*, edited by W. B. Langdon, D. R. White and J. Petke, pp. 805–810, Madrid, Spain, 2015, ACM.

[58] B. Cody-Kenny, E. Galvan-Lopez and S. Barrett, locogp: Improving performance by genetic programming java source code, in *Genetic Improvement 2015 Workshop*, edited by W. B. Langdon, D. R. White and J. Petke, pp. 811–818, Madrid, Spain, 2015, ACM.

[59] B. R. Bruce, Energy optimisation via genetic improvement: A sbse technique for a new era in software development, in *Genetic Improvement 2015 Workshop*, edited by W. B. Langdon, D. R. White and J. Petke, pp. 819–820, Madrid, Spain, 2015, ACM.

[60] S. O. Haraldsson and J. R. Woodward, Genetic improvement of energy usage is only as reliable as the measurements are accurate, in *Genetic Improvement 2015 Workshop*, edited by W. B. Langdon, D. R. White and J. Petke, pp. 821–822, Madrid, Spain, 2015, ACM.

[61] R. E. Lopez-Herrejon *et al.*, Genetic improvement for software product lines: An overview and a roadmap, in *Genetic Improvement 2015 Workshop*, edited by W. B. Langdon, D. R. White and J. Petke, pp. 823–830, Madrid, Spain, 2015, ACM.

[62] N. Burles *et al.*, Embedded dynamic improvement, in *Genetic Improvement 2015 Workshop*, edited by W. B. Langdon, D. R. White and J. Petke, pp. 831–832, Madrid, Spain, 2015, ACM.

[63] J. Landsborough, S. Harding and S. Fugate, Removing the kitchen sink from software, in *Genetic Improvement 2015 Workshop*, edited by W. B. Langdon, D. R. White and J. Petke, pp. 833–838, Madrid, Spain, 2015, ACM.

[64] K. Yeboah-Antwi and B. Baudry, Embedding adaptivity in software systems using the ecselr framework, in *Genetic Improvement 2015 Workshop*, edited by W. B. Langdon, D. R. White and J. Petke, pp. 839–844, Madrid, Spain, 2015, ACM.

[65] D. R. White and J. Singer, Rethinking genetic improvement programming, in *Genetic Improvement 2015 Workshop*, edited by W. B. Langdon, D. R. White and J. Petke, pp. 845–846, Madrid, Spain, 2015, ACM.

[66] E. M. Schulte, W. Weimer and S. Forrest, Repairing cots router firmware without access to source code or test suites: A case study in evolutionary software repair, in *Genetic Improvement 2015 Workshop*, edited by W. B. Langdon, D. R. White and J. Petke, pp. 847–854, Madrid, Spain, 2015, ACM.

[67] C. G. Johnson and J. R. Woodward, Fitness as task-relevant information accumulation, in *Genetic Improvement 2015 Workshop*, edited by W. B. Langdon, D. R. White and J. Petke, pp. 855–856, Madrid, Spain, 2015, ACM.

[68] G. Rush, D. R. Tauritz and A. D. Kent, Coevolutionary agent-based network defense lightweight event system (candles), in *SecDef'2015 - Workshop on genetic and evolutionary computation in defense, security and risk management*, edited by F. W. Moore and N. Zincir-Heywood, pp. 859–866, Madrid, Spain, 2015, ACM.

[69] R. Mueller-Bady, R. Gad, M. Kappes and I. Medina-Bulo, Using genetic algorithms for deadline-constrained monitor selection in dynamic computer networks, in *SecDef'2015 - Workshop on genetic and evolutionary computation in defense, security and risk management*, edited by F. W. Moore and N. Zincir-Heywood, pp. 867–874, Madrid, Spain, 2015, ACM.

[70] O. Ozkan, M. Ermis and I. Bekmezci, A hybrid matheuristic approach for designing reliable wireless multimedia sensor networks, in *SecDef'2015 - Workshop on genetic and evolutionary computation in defense, security and risk management*, edited by F. W. Moore and N. Zincir-Heywood, pp. 875–882, Madrid, Spain, 2015, ACM.

[71] C. Bozdogan, Y. Gokcen and I. Zincir, A preliminary investigation on the identification of peer to peer network applications, in *SecDef'2015 - Workshop on genetic and evolutionary computation in defense, security and risk management*, edited by F. W. Moore and N. Zincir-Heywood, pp. 883–888, Madrid, Spain, 2015, ACM.

[72] L. Altin, H. R. Topcuoglu and M. Ermis, Evolutionary dynamic optimization techniques for marine contamination problem, in *SecDef'2015 - Workshop on genetic and evolutionary computation in defense, security and risk management*, edited by F. W. Moore and N. Zincir-Heywood, pp. 889–892, Madrid, Spain, 2015, ACM.

[73] F. Haddadi and A. N. Zincir-Heywood, Botnet detection system analysis on the effect of botnet evolution and feature representation, in *SecDef'2015 - Workshop on genetic and evolutionary computation in defense, security and risk management*, edited by F. W. Moore and N. Zincir-Heywood, pp. 893–900, Madrid, Spain, 2015, ACM.

[74] S. Izidoro, A. M. Lacerda and G. L. Pappa, Megass: Multi-objective genetic active site search, in *GECCO 2015 Workshop on Evolutionary Computation in Computational Structural Biology*, edited by J. Santos, J. Handl and A. Shehu, pp. 905–910, Madrid, Spain, 2015, ACM.

[75] D. Varela and J. Santos, Combination of differential evolution and fragment-based replacements for protein structure prediction, in *GECCO 2015 Workshop on Evolutionary Computation in Computational Structural Biology*, edited by J. Santos, J. Handl and A. Shehu, pp. 911–914, Madrid, Spain, 2015, ACM.

[76] S. S. Nielsen, G. Danoy, P. Bouvry and E.-G. Talbi, Nk landscape instances mimicking the protein inverse folding problem towards future benchmarks, in *GECCO 2015 Workshop on Evolutionary Computation in Computational Structural Biology*, edited by J. Santos, J. Handl and A. Shehu, pp. 915–921, Madrid, Spain, 2015, ACM.

[77] E. Sapin, K. De Jong and A. Shehu, Mapping multiple minima in protein energy landscapes with evolutionary algorithms, in *GECCO 2015 Workshop on Evolutionary Computation in Computational Structural Biology*, edited by J. Santos, J. Handl and A. Shehu, pp. 923–927, Madrid, Spain, 2015, ACM.

[78] C. Brizuela, R. I. Corona, C. Lezcano, D. Rodriguez and J. D. Colbes, An experimental analysis of the performance of sidechain packing algorithms, in *GECCO 2015 Workshop on Evolutionary Computation in Computational Structural Biology*, edited by J. Santos, J. Handl and A. Shehu, pp. 929–933, Madrid, Spain, 2015, ACM.

[79] M. Garza-Fabre, S. M. Kandathil, J. Handl, J. D. Knowles and S. C. Lovell, Using machine learning to explore the relevance of local and global features during conformational search in rosetta, in *GECCO 2015 Workshop on Evolutionary Computation in Computational Structural Biology*, edited by J. Santos, J. Handl and A. Shehu, pp. 935–938, Madrid, Spain, 2015, ACM.

[80] E. Keedwell, M. Johns and D. Savic, Spatial and temporal visualisation of evolutionary algorithm decisions in water distribution network optimisation, in *6th Workshop on Visualisation Methods in Genetic and Evolutionary Computation (VizGEC 2015)*, edited by D. Walker, R. Everson and J. Fieldsend, pp. 941–948, Madrid, Spain, 2015, ACM.

[81] A. Cruz, P. Machado, F. Assuncao and A. Leitao, Elicit: Evolutionary computation visualization, in *6th Workshop on Visualisation Methods in Genetic and Evolutionary Computation (VizGEC 2015)*, edited by D. Walker, R. Everson and J. Fieldsend, pp. 949–956, Madrid, Spain, 2015, ACM.

[82] L. Liang, H. Han, C. Zhaoquan and H. Hui, Using particle swarm large-scale optimization to improve sampling-based image matting, in *6th Workshop on Visualisation Methods in Genetic and Evolutionary Computation (VizGEC 2015)*, edited by D. Walker, R. Everson and J. Fieldsend, pp. 957–961, Madrid, Spain, 2015, ACM.

[83] D. J. Walker, Visualising multi-objective populations with treemaps, in *6th Workshop on Visualisation Methods in Genetic and Evolutionary Computation (VizGEC 2015)*, edited by D. Walker, R. Everson and J. Fieldsend, pp. 963–970, Madrid, Spain, 2015, ACM.

[84] L.-Y. Chen, P.-M. Lee and T.-C. Hsiao, A novel representation of classifier conditions named sensory tag for the xcs in multistep problems, in *GECCO 2015 Evolutionary Rule-based Machine Learning (formerly the International Workshop on Learning Classifier Systems)*, edited by K. Kuber, M. Nakata and K. Shafi, pp. 973–980, Madrid, Spain, 2015, ACM.

[85] D. V. Vargas, H. Takano and J. Murata, The relationship between (un)fractured problems and division of input space, in *GECCO 2015 Evolutionary Rule-based Machine Learning (formerly the International Workshop on Learning Classifier Systems)*, edited by K. Kuber, M. Nakata and K. Shafi, pp. 981–987, Madrid, Spain, 2015, ACM.

[86] S. Jungjit and A. Freitas, A lexicographic multi-objective genetic algorithm for multi-label correlation based feature selection, in *GECCO 2015 Evolutionary Rule-based Machine Learning (formerly the International Workshop on Learning Classifier Systems)*, edited by K. Kuber, M. Nakata and K. Shafi, pp. 989–996, Madrid, Spain, 2015, ACM.

[87] H. E. Nouri, O. Belkahla Driss and K. Ghedira, Metaheuristics based on clustering in a holonic multiagent model for the flexible job shop problem, in *GECCO 2015 Evolutionary Rule-based Machine Learning (formerly the International Workshop on Learning Classifier Systems)*, edited by K. Kuber, M. Nakata and K. Shafi, pp. 997–1004, Madrid, Spain, 2015, ACM.

[88] J. Brookhouse and F. E. Otero, Discovering regression rules with ant colony optimization, in *GECCO 2015 Evolutionary Rule-based Machine Learning (formerly the International Workshop on Learning Classifier Systems)*, edited by K. Kuber, M. Nakata and K. Shafi, pp. 1005–1012, Madrid, Spain, 2015, ACM.

[89] F. M. Lobato, V. W. Tadaiesky, I. M. Araujo and A. L. de Santana, An evolutionary missing data imputation method for pattern classification, in *GECCO 2015 Evolutionary Rule-based Machine Learning (formerly the International Workshop on Learning Classifier Systems)*, edited by K. Kuber, M. Nakata and K. Shafi, pp. 1013–1019, Madrid, Spain, 2015, ACM.

[90] A. Najar, O. Sigaud and M. Chetouani, Socially guided xcs: Using teaching signals to boost learning, in *GECCO 2015 Evolutionary Rule-based Machine Learning (formerly the International Workshop on Learning Classifier Systems)*, edited by K. Kuber, M. Nakata and K. Shafi, pp. 1021–1028, Madrid, Spain, 2015, ACM.

[91] R. Urbanowicz, N. Ramanand and J. Moore, Continuous endpoint data mining with exstracs: A supervised learning classifier system, in *GECCO 2015 Evolutionary Rule-based Machine Learning (formerly the International Workshop on Learning Classifier Systems)*, edited by K. Kuber, M. Nakata and K. Shafi, pp. 1029–1036, Madrid, Spain, 2015, ACM.

[92] W. n. Browne, Back to the future: Learning classifier systems as cognitive systems, in *GECCO 2015 Evolutionary Rule-based Machine Learning (formerly the International Workshop on Learning Classifier Systems)*, edited by K. Kuber, M. Nakata and K. Shafi, pp. 1037–1037, Madrid, Spain, 2015, ACM.

[93] K. Takadama, A potential of evolutionary rule-based machine learning for real world applications, in *GECCO 2015 Evolutionary Rule-based Machine Learning (formerly the International Workshop on Learning Classifier Systems)*, edited by K. Kuber, M. Nakata and K. Shafi, pp. 1039–1040, Madrid, Spain, 2015, ACM.

[94] S. Harris, T. Bueter and D. R. Tauritz, A comparison of genetic programming variants for hyper-heuristics, in *GECCO 2015 5th Workshop on Evolutionary Computation for the Automated Design of Algorithms (ECADA'15)*, edited by J. Woodward, D. Tauritz and M. Lopez-Ibanez, pp. 1043–1050, Madrid, Spain, 2015, ACM.

[95] M. A. Martin and D. R. Tauritz, Hyper-heuristics: A study on increasing primitive-space, in *GECCO 2015 5th Workshop on Evolutionary Computation for the Automated Design of Algorithms (ECADA'15)*, edited by J. Woodward, D. Tauritz and M. Lopez-Ibanez, pp. 1051–1058, Madrid, Spain, 2015, ACM.

[96] G. Chennupati, R. M. A. Azad and C. Ryan, Synthesis of parallel iterative sorts with multi-core grammatical evolution, in *GECCO 2015 5th Workshop on Evolutionary Computation for the Automated Design of Algorithms (ECADA'15)*, edited by J. Woodward, D. Tauritz and M. Lopez-Ibanez, pp. 1059–1066, Madrid, Spain, 2015, ACM.

[97] P. Ryser-Welch, J. F. Miller and S. Asta, Generating human-readable algorithms for the travelling salesman problem using hyper-heuristics, in *GECCO 2015 5th Workshop on Evolutionary Computation for the Automated Design of Algorithms (ECADA'15)*, edited by J. Woodward, D. Tauritz and M. Lopez-Ibanez, pp. 1067–1074, Madrid, Spain, 2015, ACM.

[98] E. O. Scott and J. K. Bassett, Learning genetic representations for classes of real-valued optimization problems, in *GECCO 2015 5th Workshop on Evolutionary Computation for the Automated Design of Algorithms (ECADA'15)*, edited by J. Woodward, D. Tauritz and M. Lopez-Ibanez, pp. 1075–1082, Madrid, Spain, 2015, ACM.

[99] A. Ramirez, J. R. Romero and S. Ventura, An extensible jclec-based solution for the implementation of multi-objective evolutionary algorithms, in *GECCO 2015 Workshop on Evolutionary Computation Software Systems (EvoSoft'15)*, edited by S. Wagner and M. Affenzeller, pp. 1085–1092, Madrid, Spain, 2015, ACM.

[100] A. J. Nebro, J. J. Durillo and M. Vergne, Redesigning the jmetal multi-objective optimization framework, in *GECCO 2015 Workshop on Evolutionary Computation Software Systems (EvoSoft'15)*, edited by S. Wagner and M. Affenzeller, pp. 1093–1100, Madrid, Spain, 2015, ACM.

[101] A. Scheibenpflug *et al.*, Simplifying problem definitions in the heuristiclab optimization environment, in *GECCO 2015 Workshop on Evolutionary Computation Software Systems (EvoSoft'15)*, edited by S. Wagner and M. Affenzeller, pp. 1101–1108, Madrid, Spain, 2015, ACM.

[102] K. Krynicki and J. Jaen, Antelements: An extensible and scalable ant colony optimization middleware, in *GECCO 2015 Workshop on Evolutionary Computation Software Systems (EvoSoft'15)*, edited by S. Wagner and M. Affenzeller, pp. 1109–1116, Madrid, Spain, 2015, ACM.

[103] J. J. Merelo-Guervos and P. Garcia-Sanchez, Designing and modeling a browser-based distributed evolutionary computation system, in *GECCO 2015 Workshop on Evolutionary Computation Software Systems (EvoSoft'15)*, edited by S. Wagner and M. Affenzeller, pp. 1117–1124, Madrid, Spain, 2015, ACM.

[104] L. P. Garzon-Rodriguez, H. A. Diosa and S. Rojas-Galeano, Deconstructing gas into visual software components, in *GECCO 2015 Workshop on Evolutionary Computation Software Systems (EvoSoft'15)*, edited by S. Wagner and M. Affenzeller, pp. 1125–1132, Madrid, Spain, 2015, ACM.

[105] A. Atamna, Benchmarking ipop-cma-es-tpa and ipop-cma-es-msr on the bbob noiseless testbed, in *Black Box Optimization Benchmarking (BBOB 2015) Workshop*, edited by Y. Akimoto *et al.*, pp. 1135–1142, Madrid, Spain, 2015, ACM.

[106] L. Bajer, Z. Pitra and M. Holena, Benchmarking gaussian processes and random forests surrogate models on the bbob noiseless testbed, in *Black Box Optimization Benchmarking (BBOB 2015) Workshop*, edited by Y. Akimoto *et al.*, pp. 1143–1150, Madrid, Spain, 2015, ACM.

[107] P. Posik and P. Baudis, Dimension selection in axis-parallel brent-step method for black-box optimization of separable continuous functions, in *Black Box Optimization Benchmarking (BBOB 2015) Workshop*, edited by Y. Akimoto *et al.*, pp. 1151–1158, Madrid, Spain, 2015, ACM.

[108] D. Brockhoff, B. Bischl and T. Wagner, The impact of initial designs on the performance of matsumoto on the noiseless bbob-2015 testbed: A preliminary study, in *Black Box Optimization Benchmarking (BBOB 2015) Workshop*, edited by Y. Akimoto *et al.*, pp. 1159–1166, Madrid, Spain, 2015, ACM.

[109] M.-Y. Ameca-Alducin, E. Mezura-Montes and N. Cruz-Ramirez, Differential evolution with a repair method to solve dynamic constrained optimization problems, in *GECCO'15 Student Workshop*, edited by T. Tusar and B. Naujoks, pp. 1169–1172, Madrid, Spain, 2015, ACM.

[110] A. Bernatskiy and J. C. Bongard, Exploiting the relationship between structural modularity and sparsity for faster network evolution, in *GECCO'15 Student Workshop*, edited by T. Tusar and B. Naujoks, pp. 1173–1176, Madrid, Spain, 2015, ACM.

[111] A. Buzdalova, A. Matveeva and G. Korneev, Selection of auxiliary objectives with multi-objective reinforcement learning, in *GECCO'15 Student Workshop*, edited by T. Tusar and B. Naujoks, pp. 1177–1180, Madrid, Spain, 2015, ACM.

[112] F. Cabassi and M. Locatelli, A computational comparison of memetic differential evolution approaches, in *GECCO'15 Student Workshop*, edited by T. Tusar and B. Naujoks, pp. 1181–1184, Madrid, Spain, 2015, ACM.

[113] D. Chivilikhin, I. Ivanov and A. Shalyto, Inferring temporal properties of finite-state machine models with genetic programming, in *GECCO'15 Student Workshop*, edited by T. Tusar and B. Naujoks, pp. 1185–1188, Madrid, Spain, 2015, ACM.

[114] H. Degroote and P. De Causmaecker, Towards a knowledge base for performance data: A formal model for performance comparison, in *GECCO'15 Student Workshop*, edited by T. Tusar and B. Naujoks, pp. 1189–1192, Madrid, Spain, 2015, ACM.

[115] P. de las Cuevas Delgado, J. J. Merelo and P. Garcia Sanchez, Soft computing techniques applied to corporate and personal security, in *GECCO'15 Student Workshop*, edited by T. Tusar and B. Naujoks, pp. 1193–1196, Madrid, Spain, 2015, ACM.

[116] A. Gaier, Evolutionary design via indirect encoding of non-uniform rational basis splines, in *GECCO'15 Student Workshop*, edited by T. Tusar and B. Naujoks, pp. 1197–1200, Madrid, Spain, 2015, ACM.

[117] M. Miyakawa, K. Takadama and H. Sato, Control of crossed genes ratio for directed mating in evolutionary constrained multi-objective optimization, in *GECCO'15 Student Workshop*, edited by T. Tusar and B. Naujoks, pp. 1201–1204, Madrid, Spain, 2015, ACM.

[118] C. Ramirez-Atencia, G. Bello-Orgaz, M. D. R-Moreno and D. Camacho, A hybrid moga-csp for multi-uav mission planning, in *GECCO'15 Student Workshop*, edited by T. Tusar and B. Naujoks, pp. 1205–1208, Madrid, Spain, 2015, ACM.

[119] E. O. Scott and K. A. De Jong, Evaluation-time bias in asynchronous evolutionary algorithms, in *GECCO'15 Student Workshop*, edited by T. Tusar and B. Naujoks, pp. 1209–1212, Madrid, Spain, 2015, ACM.

[120] Y. Sun, M. Kirley and S. K. Halgamuge, On the selection of decomposition methods for large scale fully non-separable problems, in *GECCO'15 Student Workshop*, edited by T. Tusar and B. Naujoks, pp. 1213–1216, Madrid, Spain, 2015, ACM.

[121] J. Zegklitz and P. Posik, Symbolic regression by grammar-based multi-gene genetic programming, in *GECCO'15 Student Workshop*, edited by T. Tusar and B. Naujoks, pp. 1217–1220, Madrid, Spain, 2015, ACM.

[122] B. Berger, A. Andino, A. Danise and J. Rieffel, Growing and evolving vibrationally actuated soft robots, in *GECCO'15 Student Workshop*, edited by T. Tusar and B. Naujoks, pp. 1221–1224, Madrid, Spain, 2015, ACM.

[123] Q. Madera, M. Garcia-Valdez, O. Castillo and A. Mancilla, A method based on interactive evolutionary computation for increasing the effectiveness of advertisement texts, in *GECCO'15 Student Workshop*, edited by T. Tusar and B. Naujoks, pp. 1225–1228, Madrid, Spain, 2015, ACM.

[124] V. Mironovich and M. Buzdalov, Hard test generation for maximum flow algorithms with the fast crossover-based evolutionary algorithm, in *GECCO'15 Student Workshop*, edited by T. Tusar and B. Naujoks, pp. 1229–1232, Madrid, Spain, 2015, ACM.

[125] G. Sungu and B. Boz, An evolutionary algorithm for weighted graph coloring problem, in *GECCO'15 Student Workshop*, edited by T. Tusar and B. Naujoks, pp. 1233–1236, Madrid, Spain, 2015, ACM.

[126] A. Steyven, E. Hart and B. Paechter, The cost of communication: Environmental pressure and survivability in medea, in *GECCO 2015 Evolving Collective Behaviors in Robotics (ECBR'15) Workshop*, edited by A. Prieto, N. Bredeche and E. Haasdijk, pp. 1239–1240, Madrid, Spain, 2015, ACM.

[127] P. Trueba, A. Prieto, F. Bellas and R. J. Duro, Embodied evolution for collective indoor surveillance and location, in *GECCO 2015 Evolving Collective Behaviors in Robotics (ECBR'15) Workshop*, edited by A. Prieto, N. Bredeche and E. Haasdijk, pp. 1241–1242, Madrid, Spain, 2015, ACM.

[128] J. Heinerman, Collective sharing of knowledge in a dream, in *GECCO 2015 Evolving Collective Behaviors in Robotics (ECBR'15) Workshop*, edited by A. Prieto, N. Bredeche and E. Haasdijk, pp. 1243–1244, Madrid, Spain, 2015, ACM.

[129] P. Zahadat, H. Hamann and T. Schmickl, Evolving diverse collective behaviors independent of swarm density, in *GECCO 2015 Evolving Collective Behaviors in Robotics (ECBR'15) Workshop*, edited by A. Prieto, N. Bredeche and E. Haasdijk, pp. 1245–1246, Madrid, Spain, 2015, ACM.

[130] N. Bredeche, E. Haasdijk and A. Prieto, Elements of embodied evolutionary robotics, in *GECCO 2015 Evolving Collective Behaviors in Robotics (ECBR'15) Workshop*, edited by A. Prieto, N. Bredeche and E. Haasdijk, pp. 1247–1247, Madrid, Spain, 2015, ACM.

[131] F. Golemo *et al.*, Simulating morphological evolution in large robot populations, in *GECCO 2015 Evolving Collective Behaviors in Robotics (ECBR'15) Workshop*, edited by A. Prieto, N. Bredeche and E. Haasdijk, pp. 1249–1250, Madrid, Spain, 2015, ACM.

[132] J. Gomes, P. Mariano and A. L. Christensen, Hyb-ccea: Cooperative coevolution of hybrid teams, in *GECCO 2015 Evolving Collective Behaviors in Robotics (ECBR'15) Workshop*, edited by A. Prieto, N. Bredeche and E. Haasdijk, pp. 1251–1252, Madrid, Spain, 2015, ACM.

[133] H. Hamann, Evolution of collective behaviors by minimizing surprisal and by micro-macro links, in *GECCO 2015 Evolving Collective Behaviors in Robotics (ECBR'15) Workshop*, edited by A. Prieto, N. Bredeche and E. Haasdijk, pp. 1253–1253, Madrid, Spain, 2015, ACM.

[134] H. J. Aljawawdeh, C. L. Simons and M. Odeh, Metaheuristic design pattern: Preference, in *GECCO 2015 2nd Workshop on Metaheuristic Design Patterns (MetaDeeP'15)*, edited by C. Simons, J. Swan, K. Krawiec, D. Tauritz and J. Smith, pp. 1257–1260, Madrid, Spain, 2015, ACM.

[135] A. E. Brownlee, J. R. Woodward and J. Swan, Metaheuristic design pattern: Surrogate fitness functions, in *GECCO 2015 2nd Workshop on Metaheuristic Design Patterns (MetaDeeP'15)*, edited by C. Simons, J. Swan, K. Krawiec, D. Tauritz and J. Smith, pp. 1261–1264, Madrid, Spain, 2015, ACM.

[136] K. Graham, J. Swan and S. Martin, The 'blackboard pattern' for metaheuristics, in *GECCO 2015 2nd Workshop on Metaheuristic Design Patterns (MetaDeeP'15)*, edited by C. Simons, J. Swan, K. Krawiec, D. Tauritz and J. Smith, pp. 1265–1267, Madrid, Spain, 2015, ACM.

[137] A. Patelli, N. Bencomo, A. Ekart, H. Goldingay and P. Lewis, Two-b or not two-b?: Design patterns for hybrid metaheuristics, in *GECCO 2015 2nd Workshop on Metaheuristic Design Patterns (MetaDeeP'15)*, edited by C. Simons, J. Swan, K. Krawiec, D. Tauritz and J. Smith, pp. 1269–1274, Madrid, Spain, 2015, ACM.

[138] S. Forstenlechner, M. Nicolau, D. Fagan and M. O'Neill, Introducing semantic-clustering selection in grammatical evolution, in *GECCO 2015 Semantic Methods in Genetic Programming (SMGP'15) Workshop*, edited by C. Johnson, K. Krawiec, A. Moraglio and M. O'Neill, pp. 1277–1284, Madrid, Spain, 2015, ACM.

[139] D. Medernach, J. Fitzgerald, R. M. A. Azad and C. Ryan, Wave: Incremental erosion of residual error, in *GECCO 2015 Semantic Methods in Genetic Programming (SMGP'15) Workshop*, edited by C. Johnson, K. Krawiec, A. Moraglio and M. O'Neill, pp. 1285–1292, Madrid, Spain, 2015, ACM.

[140] R. Ffrancon and M. Schoenauer, Greedy semantic local search for small solutions, in *GECCO 2015 Semantic Methods in Genetic Programming (SMGP'15) Workshop*, edited by C. Johnson, K. Krawiec, A. Moraglio and M. O'Neill, pp. 1293–1300, Madrid, Spain, 2015, ACM.

[141] P. Liskowski, K. Krawiec, T. Helmuth and L. Spector, Comparison of semantic-aware selection methods in genetic programming, in *GECCO 2015 Semantic Methods in Genetic Programming (SMGP'15) Workshop*, edited by C. Johnson, K. Krawiec, A. Moraglio and M. O'Neill, pp. 1301–1307, Madrid, Spain, 2015, ACM.

[142] A. Baldominos, Y. Saez and P. Isasi, Feature set optimization for physical activity recognition using genetic algorithms, in *GECCO 2015 Medical Applications of Genetic and Evolutionary Computation (MedGEC'15) Workshop*, edited by S. L. Smith, S. Cagnoni and R. M. Patton, pp. 1311–1318, Madrid, Spain, 2015, ACM.

[143] D. Rivero, E. Fernandez-Blanco, J. Dorado and A. Pazos, Classification of two-channel signals by means of genetic programming, in *GECCO 2015 Medical Applications of Genetic and Evolutionary Computation (MedGEC'15) Workshop*, edited by S. L. Smith, S. Cagnoni and R. M. Patton, pp. 1319–1325, Madrid, Spain, 2015, ACM.

[144] J. M. Velasco *et al.*, Data-based identification of prediction models for glucose, in *GECCO 2015 Medical Applications of Genetic and Evolutionary Computation (MedGEC'15) Workshop*, edited by S. L. Smith, S. Cagnoni and R. M. Patton, pp. 1327–1334, Madrid, Spain, 2015, ACM.

[145] V. Dorfer, S. Maltsev, S. Dreiseitl, K. Mechtler and S. M. Winkler, A symbolic regression based scoring system improving peptide identifications for ms amanda, in *GECCO 2015 Medical Applications of Genetic and Evolutionary Computation (MedGEC'15) Workshop*, edited by S. L. Smith, S. Cagnoni and R. M. Patton, pp. 1335–1341, Madrid, Spain, 2015, ACM.

[146] K. Alyahya and J. E. Rowe, Landscape properties of the 0-1 knapsack problem, in *GECCO Companion '15: Proceedings of the Companion Publication of the 2015 on Genetic and Evolutionary Computation Conference*, edited by S. Silva *et al.*, pp. 1343–1344, Madrid, Spain, 2015, ACM.

[147] L. Araujo, J. Martinez-Romo and A. Duque, Grammatical evolution for identifying wikipedia taxonomies, in *GECCO Companion '15: Proceedings of the Companion Publication of the 2015 on Genetic and Evolutionary Computation Conference*, edited by S. Silva *et al.*, pp. 1345–1346, Madrid, Spain, 2015, ACM.

[148] S. Astete-Morales, M.-L. Cauwet and O. Teytaud, Criteria and convergence rates in noisy optimization, in *GECCO Companion '15: Proceedings of the Companion Publication of the 2015 on Genetic and Evolutionary Computation Conference*, edited by S. Silva *et al.*, pp. 1347–1348, Madrid, Spain, 2015, ACM.

[149] E. Atilgan and J. Hu, A combinatorial genetic algorithm for computational doping based material design, in *GECCO Companion '15: Proceedings of the Companion Publication of the 2015 on Genetic and Evolutionary Computation Conference*, edited by S. Silva *et al.*, pp. 1349–1350, Madrid, Spain, 2015, ACM.

[150] L. Bajer, Z. Pitra and M. Holena, Investigation of gaussian processes and random forests as surrogate models for evolutionary black-box optimization, in *GECCO Companion '15: Proceedings of the Companion Publication of the 2015 on Genetic and Evolutionary Computation Conference*, edited by S. Silva *et al.*, pp. 1351–1352, Madrid, Spain, 2015, ACM.

[151] Z. Bankovic and P. Lopez-Garcia, Energy efficient allocation and scheduling for dvfs-enabled multicore environments using a multiobjective evolutionary algorithm, in *GECCO Companion '15: Proceedings of the Companion Publication of the 2015 on Genetic and Evolutionary Computation Conference*, edited by S. Silva *et al.*, pp. 1353–1354, Madrid, Spain, 2015, ACM.

[152] A. Berny, Herding evolutionary algorithm, in *GECCO Companion '15: Proceedings of the Companion Publication of the 2015 on Genetic and Evolutionary Computation Conference*, edited by S. Silva *et al.*, pp. 1355–1356, Madrid, Spain, 2015, ACM.

[153] M. Bokhari and M. Wagner, Improving test coverage of formal verification systems via beam search, in *GECCO Companion '15: Proceedings of the Companion Publication of the 2015 on Genetic and Evolutionary Computation Conference*, edited by S. Silva *et al.*, pp. 1357–1358, Madrid, Spain, 2015, ACM.

[154] M. Boussaa, O. Barais, G. Sunye and B. Baudry, A novelty search-based test data generator for object-oriented programs, in *GECCO Companion '15: Proceedings of the Companion Publication of the 2015 on Genetic and Evolutionary Computation Conference*, edited by S. Silva *et al.*, pp. 1359–1360, Madrid, Spain, 2015, ACM.

[155] M. Cardenas-Montes, M. A. Vega-Rodriguez, J. J. Rodriguez-Vazquez and A. Gomez-Iglesias, A comparison exercise on parallel evaluation of rosenbrock function, in *GECCO Companion '15: Proceedings of the Companion Publication of the 2015 on Genetic and Evolutionary Computation Conference*, edited by S. Silva *et al.*, pp. 1361–1362, Madrid, Spain, 2015, ACM.

[156] A. Chaabani, S. Bechikh, L. Ben Said and R. Azzouz, An improved co-evolutionary decomposition-based algorithm for bi-level combinatorial optimization, in *GECCO Companion '15: Proceedings of the Companion Publication of the 2015 on Genetic and Evolutionary Computation Conference*, edited by S. Silva *et al.*, pp. 1363–1364, Madrid, Spain, 2015, ACM.

[157] T. Chabin, A. Tonda and E. Lutton, Is global sensitivity analysis useful to evolutionary computation?, in *GECCO Companion '15: Proceedings of the Companion Publication of the 2015 on Genetic and Evolutionary Computation Conference*, edited by S. Silva *et al.*, pp. 1365–1366, Madrid, Spain, 2015, ACM.

[158] L.-Y. Chen, P.-M. Lee and T.-C. Hsiao, Dynamically adding sensors to the xcs in multistep problems: A sensor tagging approach, in *GECCO Companion '15: Proceedings of the Companion Publication of the 2015 on Genetic and Evolutionary Computation Conference*, edited by S. Silva *et al.*, pp. 1367–1368, Madrid, Spain, 2015, ACM.

[159] G. Chennupati, R. M. A. Azad and C. Ryan, On the automatic generation of efficient parallel iterative sorting algorithms, in *GECCO Companion '15: Proceedings of the Companion Publication of the 2015 on Genetic and Evolutionary Computation Conference*, edited by S. Silva *et al.*, pp. 1369–1370, Madrid, Spain, 2015, ACM.

[160] J. Christmas, Genetic c programming with probabilistic evaluation, in *GECCO Companion '15: Proceedings of the Companion Publication of the 2015 on Genetic and Evolutionary Computation Conference*, edited by S. Silva *et al.*, pp. 1371–1372, Madrid, Spain, 2015, ACM.

[161] J. J. Davila, An empirical comparison of genetically evolved programs and evolved neural networks for multi-agent systems operating under dynamic environments, in *GECCO Companion '15: Proceedings of the Companion Publication of the 2015 on Genetic and Evolutionary Computation Conference*, edited by S. Silva *et al.*, pp. 1373–1374, Madrid, Spain, 2015, ACM.

[162] R. de Bokx, D. Thierens and P. A. Bosman, In search of optimal linkage trees, in *GECCO Companion '15: Proceedings of the Companion Publication of the 2015 on Genetic and Evolutionary Computation Conference*, edited by S. Silva *et al.*, pp. 1375–1376, Madrid, Spain, 2015, ACM.

[163] J. Decock, J. Liu and O. Tetaud, Variance reduction in population-based optimization: Application to unit commitment, in *GECCO Companion '15: Proceedings of the Companion Publication of the 2015 on Genetic and Evolutionary Computation Conference*, edited by S. Silva *et al.*, pp. 1377–1378, Madrid, Spain, 2015, ACM.

[164] T. Decroos, P. De Causmaecker and B. Demoen, Solving euclidean steiner tree problems with multi swarm optimization, in *GECCO Companion '15: Proceedings of the Companion Publication of the 2015 on Genetic and Evolutionary Computation Conference*, edited by S. Silva *et al.*, pp. 1379–1380, Madrid, Spain, 2015, ACM.

[165] T. DeVautl, S. Forrest, I. Tanimoto, T. Soule and R. Heckendorn, Learning from demonstration for distributed, encapsulated evolution of autonomous outdoor robots, in *GECCO Companion '15: Proceedings of the Companion Publication of the 2015 on Genetic and Evolutionary Computation Conference*, edited by S. Silva *et al.*, pp. 1381–1382, Madrid, Spain, 2015, ACM.

[166] J. Diaz Alvarez, J. M. Colmenar, J. L. Risco-Martin, J. Lanchares and O. Garnica, Optimizing performance of l1 cache memory for embedded systems driven by differential evolution, in *GECCO Companion '15: Proceedings of the Companion Publication of the 2015 on Genetic and Evolutionary Computation Conference*, edited by S. Silva *et al.*, pp. 1383–1384, Madrid, Spain, 2015, ACM.

[167] X. Du, Y. Ni and P. Ye, A multi-objective evolutionary algorithm for rule-based performance optimization at software architecture level, in *GECCO Companion '15: Proceedings of the Companion Publication of the 2015 on Genetic and Evolutionary Computation Conference*, edited by S. Silva *et al.*, pp. 1385–1386, Madrid, Spain, 2015, ACM.

[168] S. Fernandez, S. Alvarez, E. Malatsetxebarria, P. Valledor and D. Diaz, Performance comparison of ant colony algorithms for the scheduling of steel production lines, in *GECCO Companion '15: Proceedings of the Companion Publication of the 2015 on Genetic and Evolutionary Computation Conference*, edited by S. Silva *et al.*, pp. 1387–1388, Madrid, Spain, 2015, ACM.

[169] P. Filipiak, K. Michalak and P. Lipinski, Infeasibility driven evolutionary algorithm with the anticipation mechanism for the reaching goal in dynamic constrained inverse kinematics, in *GECCO Companion '15: Proceedings of the Companion Publication of the 2015 on Genetic and Evolutionary Computation Conference*, edited by S. Silva *et al.*, pp. 1389–1390, Madrid, Spain, 2015, ACM.

[170] J. S. Freitas, C. Garrozi and M. Valenca, Insertion of artificial individuals to increase the diversity of multiobjective evolutionary algorithms, in *GECCO Companion '15: Proceedings of the Companion Publication of the 2015 on Genetic and Evolutionary Computation Conference*, edited by S. Silva *et al.*, pp. 1391–1392, Madrid, Spain, 2015, ACM.

[171] A. Gabler, M. Colby and K. Tumer, Learning based control of a fuel cell turbine hybrid power system, in *GECCO Companion '15: Proceedings of the Companion Publication of the 2015 on Genetic and Evolutionary Computation Conference*, edited by S. Silva *et al.*, pp. 1393–1394, Madrid, Spain, 2015, ACM.

[172] W. Gao, M. Pourhassan and F. Neumann, Runtime analysis of evolutionary diversity optimization and the vertex cover problem, in *GECCO Companion '15: Proceedings of the Companion Publication of the 2015 on Genetic and Evolutionary Computation Conference*, edited by S. Silva *et al.*, pp. 1395–1396, Madrid, Spain, 2015, ACM.

[173] F. Ghassemi Toosi, N. S. Nikolov and M. Eaton, Evolving smart initial layouts for force-directed graph drawing, in *GECCO Companion '15: Proceedings of the Companion Publication of the 2015 on Genetic and Evolutionary Computation Conference*, edited by S. Silva *et al.*, pp. 1397–1398, Madrid, Spain, 2015, ACM.

[174] M. Gorji Sefidmazgi, M. Moradi Kordmahalleh and A. Homaifar, Identification of switched models in non-stationary time series based on coordinate-descent and genetic algorithm, in *GECCO Companion '15: Proceedings of the Companion Publication of the 2015 on Genetic and Evolutionary Computation Conference*, edited by S. Silva *et al.*, pp. 1399–1400, Madrid, Spain, 2015, ACM.

[175] F. Hruska and J. Kubalik, Selection hyper-heuristic using a portfolio of derivative heuristics, in *GECCO Companion '15: Proceedings of the Companion Publication of the 2015 on Genetic and Evolutionary Computation Conference*, edited by S. Silva *et al.*, pp. 1401–1402, Madrid, Spain, 2015, ACM.

[176] M. Inostroza-Ponta, C. Farfan and M. Dorn, A memetic algorithm for protein structure prediction based on conformational preferences of aminoacid residues, in *GECCO Companion '15: Proceedings of the Companion Publication of the 2015 on Genetic and Evolutionary Computation Conference*, edited by S. Silva *et al.*, pp. 1403–1404, Madrid, Spain, 2015, ACM.

[177] C. Jankee, S. Verel, B. Derbel and C. Flonlupt, New adaptive selection strategies for distributed adaptive metaheuristic selection, in *GECCO Companion '15: Proceedings of the Companion Publication of the 2015 on Genetic and Evolutionary Computation Conference*, edited by S. Silva *et al.*, pp. 1405–1406, Madrid, Spain, 2015, ACM.

[178] G. Jia, S. He, Z. Zhu, J. Liu and K. Tang, A multimodal optimization and surprise based consensus community detection algorithm, in *GECCO Companion '15: Proceedings of the Companion Publication of the 2015 on Genetic and Evolutionary Computation Conference*, edited by S. Silva *et al.*, pp. 1407–1408, Madrid, Spain, 2015, ACM.

[179] J. L. Jimenez Laredo, F. Guinand, D. Olivier and P. Bouvry, Trading off resource utilization and task migrations in dynamic load-balancing, in *GECCO Companion '15: Proceedings of the Companion Publication of the 2015 on Genetic and Evolutionary Computation Conference*, edited by S. Silva *et al.*, pp. 1409–1410, Madrid, Spain, 2015, ACM.

[180] J. Zheng, H. Bai, R. Shen and M. Li, A comparative study use of otl for many-objective optimization, in *GECCO Companion '15: Proceedings of the Companion Publication of the 2015 on Genetic and Evolutionary Computation Conference*, edited by S. Silva *et al.*, pp. 1411–1412, Madrid, Spain, 2015, ACM.

[181] C. Jung, Y.-H. Kim, Y. Yoon and B.-R. Moon, An adeaptive method of hungarian mating schemes in genetic algorithms, in *GECCO Companion '15: Proceedings of the Companion Publication of the 2015 on Genetic and Evolutionary Computation Conference*, edited by S. Silva *et al.*, pp. 1413–1414, Madrid, Spain, 2015, ACM.

[182] R. Karimpour and G. Ruhe, A search based approach towards robust optimization in software product line scoping, in *GECCO Companion '15: Proceedings of the Companion Publication of the 2015 on Genetic and Evolutionary Computation Conference*, edited by S. Silva *et al.*, pp. 1415–1416, Madrid, Spain, 2015, ACM.

[183] U. Kumar, Jayadeva and S. Soman, Enhancing incremental ant colony algorithm for continuous global optimization, in *GECCO Companion '15: Proceedings of the Companion Publication of the 2015 on Genetic and Evolutionary Computation Conference*, edited by S. Silva *et al.*, pp. 1417–1418, Madrid, Spain, 2015, ACM.

[184] H.-H. Li, Z.-G. Chen, Z.-H. Zhan, K.-J. Du and J. Zhang, Renumber coevolutionary multiswarm particle swarm optimization for multi-objective workflow scheduling on cloud computing environment, in *GECCO Companion '15: Proceedings of the Companion Publication of the 2015 on Genetic and Evolutionary Computation Conference*, edited by S. Silva *et al.*, pp. 1419–1420, Madrid, Spain, 2015, ACM.

[185] F. G. Lobo and M. Bazargani, When hillclimbers beat genetic algorithms in multimodal optimization, in *GECCO Companion '15: Proceedings of the Companion Publication of the 2015 on Genetic and Evolutionary Computation Conference*, edited by S. Silva *et al.*, pp. 1421–1422, Madrid, Spain, 2015, ACM.

[186] D. Margarida and C. H. Antunes, Multi-objective optimization of sensor placement to detect contamination in water distribution networks, in *GECCO Companion '15: Proceedings of the Companion Publication of the 2015 on Genetic and Evolutionary Computation Conference*, edited by S. Silva *et al.*, pp. 1423–1424, Madrid, Spain, 2015, ACM.

[187] L. Mariot and A. Leporati, Heuristic search by particle swarm optimization of boolean functions for cryptographic applications, in *GECCO Companion '15: Proceedings of the Companion Publication of the 2015 on Genetic and Evolutionary Computation Conference*, edited by S. Silva *et al.*, pp. 1425–1426, Madrid, Spain, 2015, ACM.

[188] L. Marti, C. Grimme, P. Kerschke, H. Trautmann and G. Rudolph, Averaged hausdorff approximations of pareto fronts based on multiobjective estimation of distribution algorithms, in *GECCO Companion '15: Proceedings of the Companion Publication of the 2015 on Genetic and Evolutionary Computation Conference*, edited by S. Silva *et al.*, pp. 1427–1428, Madrid, Spain, 2015, ACM.

[189] M. A. Martin, A. R. Bertels and D. R. Tauritz, Asynchronous parallel evolutionary algorithms: Leveraging heterogeneous fitness evaluation times for scalability and elitist parsimony pressure, in *GECCO Companion '15: Proceedings of the Companion Publication of the 2015 on Genetic and Evolutionary Computation Conference*, edited by S. Silva *et al.*, pp. 1429–1430, Madrid, Spain, 2015, ACM.

[190] J. Martinez *et al.*, Estimating and predicting average likability on computer-generated artwork variants, in *GECCO Companion '15: Proceedings of the Companion Publication of the 2015 on Genetic and Evolutionary Computation Conference*, edited by S. Silva *et al.*, pp. 1431–1432, Madrid, Spain, 2015, ACM.

[191] J. P. Martins and A. C. Delbem, Handling crossover bias to improve diversity in multiobjective evolutionary optimization, in *GECCO Companion '15: Proceedings of the Companion Publication of the 2015 on Genetic and Evolutionary Computation Conference*, edited by S. Silva *et al.*, pp. 1433–1434, Madrid, Spain, 2015, ACM.

[192] D. Medernach, J. Fitzgerald, R. M. A. Azad and C. Ryan, Wave: A genetic programming approach to divide and conquer, in *GECCO Companion '15: Proceedings of the Companion Publication of the 2015 on Genetic and Evolutionary Computation Conference*, edited by S. Silva *et al.*, pp. 1435–1436, Madrid, Spain, 2015, ACM.

[193] H. D. Menendez and D. Camacho, Mogcla: A multi-objective genetic clustering algorithm for large data analysis, in *GECCO Companion '15: Proceedings of the Companion Publication of the 2015 on Genetic and Evolutionary Computation Conference*, edited by S. Silva *et al.*, pp. 1437–1438, Madrid, Spain, 2015, ACM.

[194] S. Mirjalili and A. Lewis, A reliable and computationally cheap approach for finding robust optimal solutions, in *GECCO Companion '15: Proceedings of the Companion Publication of the 2015 on Genetic and Evolutionary Computation Conference*, edited by S. Silva *et al.*, pp. 1439–1440, Madrid, Spain, 2015, ACM.

[195] S. S. Mousavi Astarabadi and M. M. Ebadzadeh, Avoiding overfitting in symbolic regression using the first order derivative of gp trees, in *GECCO Companion '15: Proceedings of the Companion Publication of the 2015 on Genetic and Evolutionary Computation Conference*, edited by S. Silva *et al.*, pp. 1441–1442, Madrid, Spain, 2015, ACM.

[196] A.-M. Oprescu, A. (Vintila) Filip and T. Kielmann, Fast pareto front approximation for cloud instance pool optimization, in *GECCO Companion '15: Proceedings of the Companion Publication of the 2015 on Genetic and Evolutionary Computation Conference*, edited by S. Silva *et al.*, pp. 1443–1444, Madrid, Spain, 2015, ACM.

[197] P. Overbury and L. Berthouze, Using novelty-biased ga to sample diversity in graphs satisfying constraints, in *GECCO Companion '15: Proceedings of the Companion Publication of the 2015 on Genetic and Evolutionary Computation Conference*, edited by S. Silva *et al.*, pp. 1445–1446, Madrid, Spain, 2015, ACM.

[198] D. Pallez, M. Serrurier, C. da Costa Pereira, G. Fusco and C. Cao, Social specialization of space: Clustering households on the french riviera, in *GECCO Companion '15: Proceedings of the Companion Publication of the 2015 on Genetic and Evolutionary Computation Conference*, edited by S. Silva *et al.*, pp. 1447–1448, Madrid, Spain, 2015, ACM.

[199] J. P. Papa *et al.*, On the model selection of bernoulli restricted boltzmann machines through harmony search, in *GECCO Companion '15: Proceedings of the Companion Publication of the 2015 on Genetic and Evolutionary Computation Conference*, edited by S. Silva *et al.*, pp. 1449–1450, Madrid, Spain, 2015, ACM.

[200] J. Park, S. Nguyen, M. Zhang and M. Johnston, A single population genetic programming based ensemble learning approach to job shop scheduling, in *GECCO Companion '15: Proceedings of the Companion Publication of the 2015 on Genetic and Evolutionary Computation Conference*, edited by S. Silva *et al.*, pp. 1451–1452, Madrid, Spain, 2015, ACM.

[201] T. Perry and M. Bader-El-Den, Imbalanced classification using genetically optimized random forests, in *GECCO Companion '15: Proceedings of the Companion Publication of the 2015 on Genetic and Evolutionary Computation Conference*, edited by S. Silva *et al.*, pp. 1453–1454, Madrid, Spain, 2015, ACM.

[202] I. Petrova and A. Buzdalova, Selection of auxiliary objectives in the travelling salesman problem using reinforcement learning, in *GECCO Companion '15: Proceedings of the Companion Publication of the 2015 on Genetic and Evolutionary Computation Conference*, edited by S. Silva *et al.*, pp. 1455–1456, Madrid, Spain, 2015, ACM.

[203] S. Picek, J. F. Miller, D. Jakobovic and L. Batina, Cartesian genetic programming approach for generating substitution boxes of different sizes, in *GECCO Companion '15: Proceedings of the Companion Publication of the 2015 on Genetic and Evolutionary Computation Conference*, edited by S. Silva *et al.*, pp. 1457–1458, Madrid, Spain, 2015, ACM.

[204] M. Probst, Denoising autoencoders for fast combinatorial black box optimization, in *GECCO Companion '15: Proceedings of the Companion Publication of the 2015 on Genetic and Evolutionary Computation Conference*, edited by S. Silva *et al.*, pp. 1459–1460, Madrid, Spain, 2015, ACM.

[205] P. Rabanal, I. Rodriguez and F. Rubio, On the uselessness of finite benchmarks to assess evolutionaryand swarm methods, in *GECCO Companion '15: Proceedings of the Companion Publication of the 2015 on Genetic and Evolutionary Computation Conference*, edited by S. Silva *et al.*, pp. 1461–1462, Madrid, Spain, 2015, ACM.

[206] A. Raß, M. Schmitt and R. Wanka, Explanation of stagnation at points that are not local optima in particle swarm optimization by potential analysis, in *GECCO Companion '15: Proceedings of the Companion Publication of the 2015 on Genetic and Evolutionary Computation Conference*, edited by S. Silva *et al.*, pp. 1463–1464, Madrid, Spain, 2015, ACM.

[207] R. Cantoro, M. Gaudesi, E. Sanchez and G. Squillero, Exploiting evolutionary computation in an industrial flow for the development of code-optimized microprocessor test programs, in *GECCO Companion '15: Proceedings of the Companion Publication of the 2015 on Genetic and Evolutionary Computation Conference*, edited by S. Silva *et al.*, pp. 1465–1466, Madrid, Spain, 2015, ACM.

[208] M.-C. Riff and E. Montero, A collaborative strategy to reduce initial setup requirements of paramils using evoca, in *GECCO Companion '15: Proceedings of the Companion Publication of the 2015 on Genetic and Evolutionary Computation Conference*, edited by S. Silva *et al.*, pp. 1467–1468, Madrid, Spain, 2015, ACM.

[209] N. Rojas, E. Montero and M.-C. Riff, Using anti-pheromone to identify core objects for multidimensional knapsack problems: A two-step ants based approach, in *GECCO Companion '15: Proceedings of the Companion Publication of the 2015 on Genetic and Evolutionary Computation Conference*, edited by S. Silva *et al.*, pp. 1469–1470, Madrid, Spain, 2015, ACM.

[210] A. Runka and T. White, Evolving neurocontrollers for the control of information diffusion in social networks, in *GECCO Companion '15: Proceedings of the Companion Publication of the 2015 on Genetic and Evolutionary Computation Conference*, edited by S. Silva *et al.*, pp. 1471–1472, Madrid, Spain, 2015, ACM.

[211] P. Ryser-Welch, J. F. Miller and S. Asta, Evolutionary cross-domain hyper-heuristics, in *GECCO Companion '15: Proceedings of the Companion Publication of the 2015 on Genetic and Evolutionary Computation Conference*, edited by S. Silva *et al.*, pp. 1473–1474, Madrid, Spain, 2015, ACM.

[212] A. Salah and E. Hart, Grid diversity operator for some population-based optimization algorithms, in *GECCO Companion '15: Proceedings of the Companion Publication of the 2015 on Genetic and Evolutionary Computation Conference*, edited by S. Silva *et al.*, pp. 1475–1476, Madrid, Spain, 2015, ACM.

[213] R. Santana, A. Mendiburu and J. A. Lozano, Multi-objective nm-landscapes, in *GECCO Companion '15: Proceedings of the Companion Publication of the 2015 on Genetic and Evolutionary Computation Conference*, edited by S. Silva *et al.*, pp. 1477–1478, Madrid, Spain, 2015, ACM.

[214] V. Santucci, M. Baioletti and A. Milani, An algebraic differential evolution for the linear ordering problem, in *GECCO Companion '15: Proceedings of the Companion Publication of the 2015 on Genetic and Evolutionary Computation Conference*, edited by S. Silva *et al.*, pp. 1479–1480, Madrid, Spain, 2015, ACM.

[215] J. Schmitt, S. Seufert, C. Zoubek and H. Koestler, Potential-field-based unit behavior optimization for balancing in starcraft ii, in *GECCO Companion '15: Proceedings of the Companion Publication of the 2015 on Genetic and Evolutionary Computation Conference*, edited by S. Silva *et al.*, pp. 1481–1482, Madrid, Spain, 2015, ACM.

[216] G. Sher, Momentum enhanced neuroevolution, in *GECCO Companion '15: Proceedings of the Companion Publication of the 2015 on Genetic and Evolutionary Computation Conference*, edited by S. Silva *et al.*, pp. 1483–1484, Madrid, Spain, 2015, ACM.

[217] K. Sim and E. Hart, A novel heuristic generator for jssp using a tree-based representation of dispatching rules, in *GECCO Companion '15: Proceedings of the Companion Publication of the 2015 on Genetic and Evolutionary Computation Conference*, edited by S. Silva *et al.*, pp. 1485–1486, Madrid, Spain, 2015, ACM.

[218] A. M. Soares, B. J. Fernandes and C. J. Bastos-Filho, Pyramidal neural networks with variable receptive fields designed by genetic algorithms, in *GECCO Companion '15: Proceedings of the Companion Publication of the 2015 on Genetic and Evolutionary Computation Conference*, edited by S. Silva *et al.*, pp. 1487–1488, Madrid, Spain, 2015, ACM.

[219] T. M. Stehling, S. R. DE Souza and M. F. De Franca Filho, A hybrid particle swarm optimization for solving vehicle routing problem with time windows, in *GECCO Companion '15: Proceedings of the Companion Publication of the 2015 on Genetic and Evolutionary Computation Conference*, edited by S. Silva *et al.*, pp. 1489–1490, Madrid, Spain, 2015, ACM.

[220] C. Stoean *et al.*, Evolutionary search for an accurate contour segmentation in histopathological images, in *GECCO Companion '15: Proceedings of the Companion Publication of the 2015 on Genetic and Evolutionary Computation Conference*, edited by S. Silva *et al.*, pp. 1491–1492, Madrid, Spain, 2015, ACM.

[221] R. Tanabe, A note on multi-funnel functions for expensive optimization scenario, in *GECCO Companion '15: Proceedings of the Companion Publication of the 2015 on Genetic and Evolutionary Computation Conference*, edited by S. Silva *et al.*, pp. 1493–1494, Madrid, Spain, 2015, ACM.

[222] G. A. Trunfio, An effective approach for adapting the size of subcomponents in large-scale optimization with cooperative coevolution, in *GECCO Companion '15: Proceedings of the Companion Publication of the 2015 on Genetic and Evolutionary Computation Conference*, edited by S. Silva *et al.*, pp. 1495–1496, Madrid, Spain, 2015, ACM.

[223] W. W. Tsang and H. Y. Lau, A grid-facilitated ais-based network scheme for many-objective optimization, in *GECCO Companion '15: Proceedings of the Companion Publication of the 2015 on Genetic and Evolutionary Computation Conference*, edited by S. Silva *et al.*, pp. 1497–1498, Madrid, Spain, 2015, ACM.

[224] A. J. Turner and J. F. Miller, Recurrent cartesian genetic programming applied to series forecasting, in *GECCO Companion '15: Proceedings of the Companion Publication of the 2015 on Genetic and Evolutionary Computation Conference*, edited by S. Silva *et al.*, pp. 1499–1500, Madrid, Spain, 2015, ACM.

[225] R. Ugolotti and S. Cagnoni, Automatic tuning of standard pso versions, in *GECCO Companion '15: Proceedings of the Companion Publication of the 2015 on Genetic and Evolutionary Computation Conference*, edited by S. Silva *et al.*, pp. 1501–1502, Madrid, Spain, 2015, ACM.

[226] N. B. Urquhart, E. Hart and A. Judson, Multi-modal employee routing with time windows in an urban environment, in *GECCO Companion '15: Proceedings of the Companion Publication of the 2015 on Genetic and Evolutionary Computation Conference*, edited by S. Silva *et al.*, pp. 1503–1504, Madrid, Spain, 2015, ACM.

[227] Z. Vasicek and L. Sekanina, Evolutionary approximation of complex digital circuits, in *GECCO Companion '15: Proceedings of the Companion Publication of the 2015 on Genetic and Evolutionary Computation Conference*, edited by S. Silva *et al.*, pp. 1505–1506, Madrid, Spain, 2015, ACM.

[228] P. Verbancsics and J. Harguess, Classifying maritime vessels from satellite imagery with hyperneat, in *GECCO Companion '15: Proceedings of the Companion Publication of the 2015 on Genetic and Evolutionary Computation Conference*, edited by S. Silva *et al.*, pp. 1507–1508, Madrid, Spain, 2015, ACM.

[229] P. Verbancsics, Impact of speciation heuristic on crossover and search in neat, in *GECCO Companion '15: Proceedings of the Companion Publication of the 2015 on Genetic and Evolutionary Computation Conference*, edited by S. Silva *et al.*, pp. 1509–1510, Madrid, Spain, 2015, ACM.

[230] C. von Luecken, H. Monzon, C. Brizuela and B. Baran, Dimensionality reduction in many-objective problems combining pca and spectral clustering, in *GECCO Companion '15: Proceedings of the Companion Publication of the 2015 on Genetic and Evolutionary Computation Conference*, edited by S. Silva *et al.*, pp. 1511–1512, Madrid, Spain, 2015, ACM.

[231] M. D. Wagy and J. C. Bongard, Crowdseeding robot design, in *GECCO Companion '15: Proceedings of the Companion Publication of the 2015 on Genetic and Evolutionary Computation Conference*, edited by S. Silva *et al.*, pp. 1513–1514, Madrid, Spain, 2015, ACM.

[232] J. bin Wang, W.-N. Chen, J. Zhang and Y. Lin, A dimension-decreasing particle swarm optimization method for portfolio optimization, in *GECCO Companion '15: Proceedings of the Companion Publication of the 2015 on Genetic and Evolutionary Computation Conference*, edited by S. Silva *et al.*, pp. 1515–1516, Madrid, Spain, 2015, ACM.

[233] C. Watkins and Y. Buttkewitz, Efficient sampling with small populations: a genetic algorithm satisfying detailed balance, in *GECCO Companion '15: Proceedings of the Companion Publication of the 2015 on Genetic and Evolutionary Computation Conference*, edited by S. Silva *et al.*, pp. 1517–1518, Madrid, Spain, 2015, ACM.

[234] M. Weiss Cohen, A. Dahan and I. Kaspi, Software system for container vessel stowage planning using genetic algorithm, in *GECCO Companion '15: Proceedings of the Companion Publication of the 2015 on Genetic and Evolutionary Computation Conference*, edited by S. Silva *et al.*, pp. 1519–1520, Madrid, Spain, 2015, ACM.

[235] D. R. White, S. Yoo and J. Singer, The programming game: Evaluating mcts as an alternative to gp for symbolic regression, in *GECCO Companion '15: Proceedings of the Companion Publication of the 2015 on Genetic and Evolutionary Computation Conference*, edited by S. Silva *et al.*, pp. 1521–1522, Madrid, Spain, 2015, ACM.

[236] Y.-M. Wu, L.-Y. Chen, P.-M. Lee and T.-C. Hsiao, Enable the xcs to dynamically learn multiple problems: A sensor tagging approach, in *GECCO Companion '15: Proceedings of the Companion Publication of the 2015 on Genetic and Evolutionary Computation Conference*, edited by S. Silva *et al.*, pp. 1523–1524, Madrid, Spain, 2015, ACM.

[237] L. Yliniemi and K. Tumer, Complete multi-objective coverage with paccet, in *GECCO Companion '15: Proceedings of the Companion Publication of the 2015 on Genetic and Evolutionary Computation Conference*, edited by S. Silva *et al.*, pp. 1525–1526, Madrid, Spain, 2015, ACM.

[238] J. Zegklitz and P. Posik, Model selection and overfitting in genetic programming: Empirical study, in *GECCO Companion '15: Proceedings of the Companion Publication of the 2015 on Genetic and Evolutionary Computation Conference*, edited by S. Silva *et al.*, pp. 1527–1528, Madrid, Spain, 2015, ACM.

[239] G. Pappa *et al.*, editors, *GECCO Companion '15: Proceedings of the Companion Publication of the 2015 on Genetic and Evolutionary Computation Conference*, Madrid, Spain, 2015.