Список литературы

- [1] O'Reilly Una-May. Genetic Programming: A Tutorial Introduction in *GECCO 2015 Introductory Tutorials* (Simoes Anabela. , ed.)(Madrid, Spain):3–19ACM 2015.
- [2] De Jong Kenneth A.. Evolutionary Computation: A Unified Approach in *GECCO 2015 Introductory Tutorials* (Simoes Anabela., ed.)(Madrid, Spain):21–35ACM 2015.
- [3] Brockhoff Dimo, Wagner Tobias. Tutorial on Evolutionary Multiobjective Optimization in *GECCO 2015 Introductory Tutorials* (Simoes Anabela., ed.)(Madrid, Spain):37–63ACM 2015.
- [4] Engelbrecht Andries. Particle Swarm Optimization in *GECCO 2015 Introductory Tutorials* (Simoes Anabela., ed.)(Madrid, Spain):65–91ACM 2015.
- [5] Thierens Dirk, Bosman Peter A.N.. Model-Based Evolutionary Algorithms in *GECCO 2015 Introductory Tutorials* (Simoes Anabela., ed.)(Madrid, Spain):93–120ACM 2015.
- [6] Lehre Per Kristian, Oliveto Pietro S.. Runtime Analysis of Evolutionary Algorithms: Basic Introduction in GECCO 2015 Introductory Tutorials (Simoes Anabela., ed.)(Madrid, Spain):121–136ACM 2015.
- [7] Miikkulainen Risto. Evolving Neural Networks in *GECCO 2015 Introductory Tutorials* (Simoes Anabela., ed.)(Madrid, Spain):137–161ACM 2015.
- [8] Tomassini Marco. Introduction to Complex Networks in *GECCO 2015 Introductory Tutorials* (Simoes Anabela., ed.)(Madrid, Spain):163–178ACM 2015.
- [9] Miller Julian, Turner Andrew. Cartesian Genetic Programming in *GECCO 2015 Introductory Tutorials* (Simoes Anabela., ed.)(Madrid, Spain):179–198ACM 2015.
- [10] Woodward John R., Tauritz Daniel R.. Hyper-Heuristics in GECCO 2015 Introductory Tutorials (Simoes Anabela., ed.)(Madrid, Spain):199–230ACM 2015.
- [11] Bredeche Nicolas, Doncieux Stephane, Mouret Jean-Baptiste. Tutorial on Evolutionary Robotics in *GECCO 2015 Introductory Tutorials* (Simoes Anabela., ed.)(Madrid, Spain):231–261ACM 2015.
- [12] Urbanowicz Ryan, Browne Will. Introducing Rule-based Machine Learning: A Practical Guide in GECCO 2015 Introductory Tutorials (Simoes Anabela., ed.)(Madrid, Spain):263–292ACM 2015.
- [13] Preuss Mike. Multimodal Optimization in *GECCO 2015 Introductory Tutorials* (Simoes Anabela. , ed.)(Madrid, Spain):293–312ACM 2015.
- [14] Akimoto Youhei, Auger Anne, Hansen Nikolaus. Continuous Optimization and CMA-ES in GECCO 2015 Introductory Tutorials (Simoes Anabela., ed.)(Madrid, Spain):313–344ACM 2015.
- [15] Rothlauf Franz. Representations for Evolutionary Algorithms in GECCO 2015 Introductory Tutorials (Simoes Anabela., ed.)(Madrid, Spain):345–366ACM 2015.
- [16] Coello Coello Carlos Artemio. Constraint-Handling Techniques used with Evolutionary Algorithms in GECCO 2015 Advanced Tutorials (Simoes Anabela., ed.)(Madrid, Spain):367–389ACM 2015.
- [17] Whitley Darrell. Blind No More: Constant Time Non-Random Improving Moves and Exponentially Powerful Recombination in *GECCO 2015 Advanced Tutorials* (Simoes Anabela., ed.)(Madrid, Spain):391–407ACM 2015.
- [18] Spector Lee. Expressive Genetic Programming in *GECCO 2015 Advanced Tutorials* (Simoes Anabela., ed.)(Madrid, Spain):409–434ACM 2015.
- [19] Neumann Frank, Sutton Andrew M.. Parameterized Complexity Analysis of Evolutionary Algorithms in GECCO 2015 Advanced Tutorials (Simoes Anabela., ed.)(Madrid, Spain):435– 450ACM 2015.

- [20] Sudholt Dirk. Theory of Swarm Intelligence in *GECCO 2015 Advanced Tutorials* (Simoes Anabela., ed.)(Madrid, Spain):451–471ACM 2015.
- [21] Zhang Mengjie, Cagnoni Stefano. Evolutionary Image Analysis, Signal Processing and Pattern Recognition in GECCO 2015 Advanced Tutorials (Simoes Anabela., ed.)(Madrid, Spain):473– 502ACM 2015.
- [22] Stanley Kenneth O.. Generative and Developmental Systems Tutorial in *GECCO 2015 Advanced Tutorials* (Simoes Anabela., ed.)(Madrid, Spain):503–532ACM 2015.
- [23] Shehu Amarda, De Jong Kenneth. Evolutionary Algorithms for Protein Structure Modeling in GECCO 2015 Advanced Tutorials (Simoes Anabela., ed.)(Madrid, Spain):533–545ACM 2015.
- [24] Heywood Malcolm I., Krawiec Krzysztof. Solving Complex Problems with Coevolutionary Algorithms in GECCO 2015 Advanced Tutorials (Simoes Anabela., ed.)(Madrid, Spain):547– 573ACM 2015.
- [25] Akimoto Youhei, Auger Anne. Theory of Evolution Strategies and Related Algorithms in *GECCO* 2015 Advanced Tutorials (Simoes Anabela., ed.)(Madrid, Spain):575–588ACM 2015.
- [26] Cussat-Blanc Sylvain, Banzhaf Wolfgang. Introduction to Gene Regulatory Networks in GECCO 2015 Advanced Tutorials (Simoes Anabela., ed.)(Madrid, Spain):589–601ACM 2015.
- [27] Moraglio Alberto, Krawiec Krzysztof. Semantic Genetic Programming in GECCO 2015 Advanced Tutorials (Simoes Anabela., ed.)(Madrid, Spain):603–627ACM 2015.
- [28] Yang Shengxiang. Evolutionary Computation for Dynamic Optimization Problems in *GECCO* 2015 Advanced Tutorials (Simoes Anabela., ed.)(Madrid, Spain):629–649ACM 2015.
- [29] Smith Stephen L.. Medical Applications of Evolutionary Computation in *GECCO 2015 Specialized Tutorials* (Simoes Anabela., ed.)(Madrid, Spain):651–679ACM 2015.
- [30] Stuetzle Thomas, Lopez-Ibanez Manuel. Automatic (Offline) Configuration of Algorithms in GECCO 2015 Specialized Tutorials (Simoes Anabela., ed.)(Madrid, Spain):681–702ACM 2015.
- [31] Alba Enrique. Intelligent Systems for Smart Cities in *GECCO 2015 Specialized Tutorials* (Simoes Anabela., ed.)(Madrid, Spain):707–722ACM 2015.
- [32] Merelo-Guervos Juan J.. Low or no cost distributed evolutionary computation in *GECCO 2015 Specialized Tutorials* (Simoes Anabela., ed.)(Madrid, Spain):703–706ACM 2015.
- [33] Drugan Madalina M.. Synergies between Evolutionary Algorithms and Reinforcement Learning in *GECCO 2015 Specialized Tutorials* (Simoes Anabela., ed.)(Madrid, Spain):723-740ACM 2015.
- [34] Auerbach Joshua E., Heitz Gregoire, Kornatowski Przemyslaw M., Floreano Dario. Rapid Evolution of Robot Gaits in GECCO 2015 Late-Breaking Abstracts (Sudholt Dirk., ed.)(Madrid, Spain):743-744ACM 2015.
- [35] Ayodele Mayowa, McCall John, Regnier-Coudert Olivier. Probabilistic Model Enhanced Genetic Algorithm for Multi-Mode Resource Constrained Project Scheduling Problem in *GECCO 2015 Late-Breaking Abstracts* (Sudholt Dirk., ed.)(Madrid, Spain):745–746ACM 2015.
- [36] Benbassat Amit, Henik Avishai. Examining The Stroop Effect using A Develomental Spatial Neuroevolution System in GECCO 2015 Late-Breaking Abstracts (Sudholt Dirk., ed.)(Madrid, Spain):747-748ACM 2015.
- [37] Buzdalov Maxim, Parfenov Vladimir. Various Degrees of Steadiness in NSGA-II and Their Influence on the Quality of Results in GECCO 2015 Late-Breaking Abstracts (Sudholt Dirk., ed.)(Madrid, Spain):749-750ACM 2015.
- [38] Chebbi Olfa, Chaouachi Jouhaina. 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 (Sudholt Dirk., ed.)(Madrid, Spain):751-752ACM 2015.

- [39] Cutillas-Lozano Jose-Matias, Franco Miguel-Angel, Gimenez Domingo. Comparing Variable Width Backtracking and Metaheuristics, Experiments with the Maximum Diversity Problem in GECCO 2015 Late-Breaking Abstracts (Sudholt Dirk., ed.)(Madrid, Spain):753-754ACM 2015.
- [40] Fatnassi Ezzeddine, Chaouachi Jouhaina. 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 (Sudholt Dirk., ed.)(Madrid, Spain):755-756ACM 2015.
- [41] Gaudesi Marco, Marcelli Andrea, Sanchez Ernesto, Squillero Giovanni, Tonda Alberto. Malware Obfuscation through Evolutionary Packers in GECCO 2015 Late-Breaking Abstracts (Sudholt Dirk., ed.)(Madrid, Spain):757–758ACM 2015.
- [42] Hasegawa Taku, Tsukada Kento, Mori Naoki, Matsumoto Keinosuke. Adaptive Evolution Control with P-I Similarity Index for Surrogate-assisted Evolutionary Computation in GECCO 2015 Late-Breaking Abstracts (Sudholt Dirk., ed.)(Madrid, Spain):759–760ACM 2015.
- [43] Lessin Dan, Risi Sebastian. Evolved Virtual Creatures with Soft-Body Muscles: On a Bio-Mimetic Path to Meaningful Morphological Complexity in GECCO 2015 Late-Breaking Abstracts (Sudholt Dirk., ed.)(Madrid, Spain):761–762ACM 2015.
- [44] Lopez-Garcia Pedro, Onieva Enrique, Osaba Eneko, Masegosa Antonio D., Perallos Asier. Hybridizing Genetic Algorithm with Cross Entropy for Solving Continuous Functions in GECCO 2015 Late-Breaking Abstracts (Sudholt Dirk., ed.)(Madrid, Spain):763-764ACM 2015.
- [45] Machado Jaime, Neves Rui, Horta Nuno. Developing Multi-Time Frame Trading Rules with a Trend Following Strategy, using GA in GECCO 2015 Late-Breaking Abstracts (Sudholt Dirk., ed.)(Madrid, Spain):765–766ACM 2015.
- [46] McCall John A.W., Christie Lee A., Brownlee Alexander E.I.. Generating Easy and Hard Problems using the Proximate Optimality Principle in GECCO 2015 Late-Breaking Abstracts (Sudholt Dirk., ed.)(Madrid, Spain):767–768ACM 2015.
- [47] Miller Julian, Broersma Hajo. Computational Matter: Evolving Computational Solutions in Materials in GECCO 2015 Late-Breaking Abstracts (Sudholt Dirk., ed.)(Madrid, Spain):769–770ACM 2015.
- [48] Mu Zongxu, Hoos Holger H.. Empirical Scaling Analyser: An Automated System for Empirical Analysis of Performance Scaling in *GECCO 2015 Late-Breaking Abstracts* (Sudholt Dirk., ed.)(Madrid, Spain):771–772ACM 2015.
- [49] Pereira Jose C., Lobo Fernando G., Parameter-less Evolutionary Portfolio: First Experiments in GECCO 2015 Late-Breaking Abstracts (Sudholt Dirk., ed.)(Madrid, Spain):773–774ACM 2015.
- [50] Sato Hiroyuki, Miyakawa Minami, Perez-Cortes Elizabeth. A Parallel MOEA/D Generating Solutions in Minimum Overlapped Update Ranges of Solutions in GECCO 2015 Late-Breaking Abstracts (Sudholt Dirk., ed.)(Madrid, Spain):775–776ACM 2015.
- [51] Tsutsui Shigeyoshi, Fujimoto Noriyuki. A Comparative Study of Synchronization of Parallel ACO on Multi-core Processor in GECCO 2015 Late-Breaking Abstracts (Sudholt Dirk., ed.) (Madrid, Spain):777-778ACM 2015.
- [52] Xie Jing, Mei Yi, Song Andy. Evolving Self-Adaptive Tabu Search Algorithm for Storage Location Assignment Problems in GECCO 2015 Late-Breaking Abstracts (Sudholt Dirk., ed.)(Madrid, Spain):779–780ACM 2015.
- [53] Zhang Mingan, Deng Yong. An Improved Artificial Fish Swarm Algorithm in Image Segmentation application in GECCO 2015 Late-Breaking Abstracts (Sudholt Dirk., ed.) (Madrid, Spain):781– 782ACM 2015.
- [54] Harman Mark, Petke Justyna. GI4GI: Improving Genetic Improvement Fitness Functions in Genetic Improvement 2015 Workshop (Langdon W. B., White David R., Petke Justyna., eds.)(Madrid, Spain):793-794ACM 2015.

- [55] Mrazek Vojtech, Vasicek Zdenek, Sekanina Lukas. Evolutionary Approximation of Software for Embedded Systems: Median Function in *Genetic Improvement 2015 Workshop* (Langdon W. B., White David R., Petke Justyna., eds.)(Madrid, Spain):795–801ACM 2015.
- [56] Jia Yue, Wu Fan, Harman Mark, Krinke Jens. Genetic Improvement using Higher Order Mutation in Genetic Improvement 2015 Workshop (Langdon W. B., White David R., Petke Justyna., eds.)(Madrid, Spain):803–804ACM 2015.
- [57] Langdon William B., Harman Mark. Grow and Graft a Better CUDA pknotsRG for RNA Pseudoknot Free Energy Calculation in *Genetic Improvement 2015 Workshop* (Langdon W. B., White David R., Petke Justyna., eds.)(Madrid, Spain):805–810ACM 2015.
- [58] Cody-Kenny Brendan, Galvan-Lopez Edgar, Barrett Stephen. locoGP: Improving Performance by Genetic Programming Java Source Code in *Genetic Improvement 2015 Workshop* (Langdon W. B., White David R., Petke Justyna., eds.)(Madrid, Spain):811–818ACM 2015.
- [59] Bruce Bobby R.. Energy Optimisation via Genetic Improvement: A SBSE technique for a new era in Software Development in *Genetic Improvement 2015 Workshop* (Langdon W. B., White David R., Petke Justyna., eds.)(Madrid, Spain):819–820ACM 2015.
- [60] Haraldsson Saemundur O., Woodward John R.. Genetic Improvement of Energy Usage is only as Reliable as the Measurements are Accurate in *Genetic Improvement 2015 Workshop* (Langdon W. B., White David R., Petke Justyna, eds.)(Madrid, Spain):821–822ACM 2015.
- [61] Lopez-Herrejon Roberto E., Linsbauer Lukas, Assuncao Wesley K.G., Fischer Stefan, Vergilio Silvia R., Egyed Alexander. Genetic Improvement for Software Product Lines: An Overview and a Roadmap in *Genetic Improvement 2015 Workshop* (Langdon W. B., White David R., Petke Justyna., eds.)(Madrid, Spain):823–830ACM 2015.
- [62] Burles Nathan, Swan Jerry, Bowles Edward, Brownlee Alexander E.I., Kocsis Zoltan A., Veerapen Nadarajen. Embedded Dynamic Improvement in Genetic Improvement 2015 Workshop (Langdon W. B., White David R., Petke Justyna., eds.) (Madrid, Spain):831–832ACM 2015.
- [63] Landsborough Jason, Harding Stephen, Fugate Sunny. Removing the Kitchen Sink from Software in Genetic Improvement 2015 Workshop (Langdon W. B., White David R., Petke Justyna., eds.)(Madrid, Spain):833–838ACM 2015.
- [64] Yeboah-Antwi Kwaku, Baudry Benoit. Embedding Adaptivity in Software Systems using the ECSELR framework in *Genetic Improvement 2015 Workshop* (Langdon W. B., White David R., Petke Justyna., eds.)(Madrid, Spain):839–844ACM 2015.
- [65] White David R., Singer Jeremy. Rethinking Genetic Improvement Programming in Genetic Improvement 2015 Workshop (Langdon W. B., White David R., Petke Justyna., eds.) (Madrid, Spain):845–846ACM 2015.
- [66] Schulte Eric M., Weimer Westley, Forrest Stephanie. Repairing COTS Router Firmware without Access to Source Code or Test Suites: A Case Study in Evolutionary Software Repair in Genetic Improvement 2015 Workshop (Langdon W. B., White David R., Petke Justyna., eds.) (Madrid, Spain):847–854ACM 2015.
- [67] Johnson Colin G., Woodward John R.. Fitness as Task-relevant Information Accumulation in Genetic Improvement 2015 Workshop (Langdon W. B., White David R., Petke Justyna., eds.)(Madrid, Spain):855–856ACM 2015.
- [68] Rush George, Tauritz Daniel R., Kent Alexander D.. Coevolutionary Agent-based Network Defense Lightweight Event System (CANDLES) in SecDef'2015 - Workshop on genetic and evolutionary computation in defense, security and risk management (Moore Frank W., Zincir-Heywood Nur., eds.)(Madrid, Spain):859–866ACM 2015.
- [69] Mueller-Bady Robin, Gad Ruediger, Kappes Martin, Medina-Bulo Inmaculada. 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 (Moore Frank W., Zincir-Heywood Nur., eds.)(Madrid, Spain):867–874ACM 2015.

- [70] Ozkan Omer, Ermis Murat, Bekmezci Ilker. 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 (Moore Frank W., Zincir-Heywood Nur., eds.)(Madrid, Spain):875–882ACM 2015.
- [71] Bozdogan Can, Gokcen Yasemin, Zincir Ibrahim. 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 (Moore Frank W., Zincir-Heywood Nur., eds.)(Madrid, Spain):883–888ACM 2015.
- [72] Altin Lokman, Topcuoglu Haluk Rahmi, Ermis Murat. Evolutionary Dynamic Optimization Techniques for Marine Contamination Problem in SecDef'2015 Workshop on genetic and evolutionary computation in defense, security and risk management (Moore Frank W., Zincir-Heywood Nur., eds.)(Madrid, Spain):889–892ACM 2015.
- [73] Haddadi Fariba, Zincir-Heywood A. Nur. 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 (Moore Frank W., Zincir-Heywood Nur., eds.)(Madrid, Spain):893–900ACM 2015.
- [74] Izidoro Sandro, Lacerda Anisio M., Pappa Gisele L.. MeGASS: Multi-Objective Genetic Active Site Search in GECCO 2015 Workshop on Evolutionary Computation in Computational Structural Biology (Santos Jose, Handl Julia, Shehu Amarda., eds.) (Madrid, Spain):905-910ACM 2015.
- [75] Varela Daniel, Santos Jose. Combination of Differential Evolution and Fragment-based Replacements for Protein Structure Prediction in *GECCO 2015 Workshop on Evolutionary Computation in Computational Structural Biology* (Santos Jose, Handl Julia, Shehu Amarda., eds.)(Madrid, Spain):911–914ACM 2015.
- [76] Nielsen Sune S., Danoy Gregoire, Bouvry Pascal, Talbi El-Ghazali. NK Landscape Instances Mimicking the Protein Inverse Folding Problem Towards Future Benchmarks in GECCO 2015 Workshop on Evolutionary Computation in Computational Structural Biology (Santos Jose, Handl Julia, Shehu Amarda., eds.)(Madrid, Spain):915–921ACM 2015.
- [77] Sapin Emmanuel, De Jong Kenneth, Shehu Amarda. Mapping Multiple Minima in Protein Energy Landscapes with Evolutionary Algorithms in *GECCO 2015 Workshop on Evolutionary Computation in Computational Structural Biology* (Santos Jose, Handl Julia, Shehu Amarda., eds.)(Madrid, Spain):923–927ACM 2015.
- [78] Brizuela Carlos, Corona Rosario I., Lezcano Christian, Rodriguez David, Colbes Jose D.. An Experimental Analysis of the Performance of SideChain Packing Algorithms in GECCO 2015 Workshop on Evolutionary Computation in Computational Structural Biology (Santos Jose, Handl Julia, Shehu Amarda., eds.)(Madrid, Spain):929–933ACM 2015.
- [79] Garza-Fabre Mario, Kandathil Shaun M., Handl Julia, Knowles Joshua D., Lovell Simon C.. 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 (Santos Jose, Handl Julia, Shehu Amarda., eds.) (Madrid, Spain):935–938ACM 2015.
- [80] Keedwell Edward, Johns Matthew, Savic Dragan. 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) (Walker David, Everson Richard, Fieldsend Jonathan., eds.)(Madrid, Spain):941–948ACM 2015.
- [81] Cruz Antonio, Machado Penousal, Assuncao Filipe, Leitao Antonio. ELICIT: Evolutionary Computation Visualization in 6th Workshop on Visualisation Methods in Genetic and Evolutionary Computation (VizGEC 2015) (Walker David, Everson Richard, Fieldsend Jonathan., eds.)(Madrid, Spain):949–956ACM 2015.

- [82] Liang Lv, Han Huang, Zhaoquan Cai, Hui Hu. 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) (Walker David, Everson Richard, Fieldsend Jonathan., eds.)(Madrid, Spain):957–961ACM 2015.
- [83] Walker David J.. Visualising Multi-objective Populations with Treemaps in 6th Workshop on Visualisation Methods in Genetic and Evolutionary Computation (VizGEC 2015) (Walker David, Everson Richard, Fieldsend Jonathan., eds.)(Madrid, Spain):963-970ACM 2015.
- [84] Chen Liang-Yu, Lee Po-Ming, Hsiao Tzu-Chien. 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) (Kuber Karthik, Nakata Masaya, Shafi Kamran., eds.)(Madrid, Spain):973–980ACM 2015.
- [85] Vargas Danilo Vasconcellos, Takano Hirotaka, Murata Junichi. 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) (Kuber Karthik, Nakata Masaya, Shafi Kamran., eds.)(Madrid, Spain):981–987ACM 2015.
- [86] Jungjit Suwimol, Freitas Alex. 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) (Kuber Karthik, Nakata Masaya, Shafi Kamran., eds.)(Madrid, Spain):989-996ACM 2015.
- [87] Nouri Houssem Eddine, Belkahla Driss Olfa, Ghedira Khaled. 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) (Kuber Karthik, Nakata Masaya, Shafi Kamran., eds.)(Madrid, Spain):997–1004ACM 2015.
- [88] Brookhouse James, Otero Fernando E.B.. Discovering Regression Rules with Ant Colony Optimization in *GECCO 2015 Evolutionary Rule-based Machine Learning (formerly the International Workshop on Learning Classifier Systems)* (Kuber Karthik, Nakata Masaya, Shafi Kamran., eds.)(Madrid, Spain):1005–1012ACM 2015.
- [89] Lobato Fabio M.F., Tadaiesky Vincent W., Araujo Igor M., de Santana Adamo L.. 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) (Kuber Karthik, Nakata Masaya, Shafi Kamran., eds.)(Madrid, Spain):1013– 1019ACM 2015.
- [90] Najar Anis, Sigaud Olivier, Chetouani Mohamed. 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)* (Kuber Karthik, Nakata Masaya, Shafi Kamran., eds.)(Madrid, Spain):1021–1028ACM 2015.
- [91] Urbanowicz Ryan, Ramanand Niranjan, Moore Jason. 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)* (Kuber Karthik, Nakata Masaya, Shafi Kamran., eds.)(Madrid, Spain):1029–1036ACM 2015.
- [92] Browne Will. 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) (Kuber Karthik, Nakata Masaya, Shafi Kamran., eds.)(Madrid, Spain):1037–1037ACM 2015.
- [93] Takadama Keiki. 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)* (Kuber Karthik, Nakata Masaya, Shafi Kamran., eds.)(Madrid, Spain):1039–1040ACM 2015.

- [94] Harris Sean, Bueter Travis, Tauritz Daniel R.. 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)* (Woodward John, Tauritz Daniel, Lopez-Ibanez Manuel., eds.)(Madrid, Spain):1043–1050ACM 2015.
- [95] Martin Matthew A., Tauritz Daniel R.. Hyper-Heuristics: A Study On Increasing Primitive-Space in GECCO 2015 5th Workshop on Evolutionary Computation for the Automated Design of Algorithms (ECADA'15) (Woodward John, Tauritz Daniel, Lopez-Ibanez Manuel., eds.)(Madrid, Spain):1051-1058ACM 2015.
- [96] Chennupati Gopinath, Azad R. Muhammd Atif, Ryan Conor. 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)* (Woodward John, Tauritz Daniel, Lopez-Ibanez Manuel., eds.)(Madrid, Spain):1059–1066ACM 2015.
- [97] Ryser-Welch Patricia, Miller Julian F., Asta Shahriar. 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) (Woodward John, Tauritz Daniel, Lopez-Ibanez Manuel., eds.)(Madrid, Spain):1067-1074ACM 2015.
- [98] Scott Eric O., Bassett Jeffrey K.. 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)* (Woodward John, Tauritz Daniel, Lopez-Ibanez Manuel., eds.)(Madrid, Spain):1075–1082ACM 2015.
- [99] Ramirez Aurora, Romero Jose Raul, Ventura Sebastian. An Extensible JCLEC-based Solution for the Implementation of Multi-Objective Evolutionary Algorithms in GECCO 2015 Workshop on Evolutionary Computation Software Systems (EvoSoft'15) (Wagner Stefan, Affenzeller Michael. , eds.)(Madrid, Spain):1085–1092ACM 2015.
- [100] Nebro Antonio J., Durillo Juan J., Vergne Matthieu. Redesigning the jMetal Multi-Objective Optimization Framework in *GECCO 2015 Workshop on Evolutionary Computation Software Systems (EvoSoft'15)* (Wagner Stefan, Affenzeller Michael. , eds.)(Madrid, Spain):1093–1100ACM 2015.
- [101] Scheibenpflug Andreas, Beham Andreas, Kommenda Michael, Karder Johannes, Wagner Stefan, Affenzeller Michael. Simplifying Problem Definitions in the HeuristicLab Optimization Environment in GECCO 2015 Workshop on Evolutionary Computation Software Systems (EvoSoft'15) (Wagner Stefan, Affenzeller Michael., eds.)(Madrid, Spain):1101–1108ACM 2015.
- [102] Krynicki Kamil, Jaen Javier. AntElements: An Extensible and Scalable Ant Colony Optimization Middleware in *GECCO 2015 Workshop on Evolutionary Computation Software Systems* (EvoSoft'15) (Wagner Stefan, Affenzeller Michael., eds.)(Madrid, Spain):1109–1116ACM 2015.
- [103] Merelo-Guervos Juan J., Garcia-Sanchez Pablo. Designing and Modeling a Browser-Based Distributed Evolutionary Computation System in *GECCO 2015 Workshop on Evolutionary Computation Software Systems (EvoSoft'15)* (Wagner Stefan, Affenzeller Michael., eds.)(Madrid, Spain):1117–1124ACM 2015.
- [104] Garzon-Rodriguez Leidy Patricia, Diosa Henry Alberto, Rojas-Galeano Sergios. Deconstructing GAs into Visual Software Components in *GECCO 2015 Workshop on Evolutionary Computation Software Systems (EvoSoft'15)* (Wagner Stefan, Affenzeller Michael., eds.)(Madrid, Spain):1125–1132ACM 2015.
- [105] Atamna Asma. Benchmarking IPOP-CMA-ES-TPA and IPOP-CMA-ES-MSR on the BBOB Noiseless Testbed in *Black Box Optimization Benchmarking (BBOB 2015) Workshop* (Akimoto Youhei, Auger Anne, Brockhoff Dimo, Hansen Nikolaus, Mersmann Olaf, Posik Petr., eds.)(Madrid, Spain):1135–1142ACM 2015.

- [106] Bajer Lukas, Pitra Zbynek, Holena Martin. Benchmarking Gaussian Processes and Random Forests Surrogate Models on the BBOB Noiseless Testbed in *Black Box Optimization Benchmarking (BBOB 2015) Workshop* (Akimoto Youhei, Auger Anne, Brockhoff Dimo, Hansen Nikolaus, Mersmann Olaf, Posik Petr., eds.)(Madrid, Spain):1143–1150ACM 2015.
- [107] Posik Petr, Baudis Petr. Dimension Selection in Axis-Parallel Brent-STEP Method for Black-Box Optimization of Separable Continuous Functions in *Black Box Optimization Benchmarking* (BBOB 2015) Workshop (Akimoto Youhei, Auger Anne, Brockhoff Dimo, Hansen Nikolaus, Mersmann Olaf, Posik Petr., eds.)(Madrid, Spain):1151–1158ACM 2015.
- [108] Brockhoff Dimo, Bischl Bernd, Wagner Tobias. 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* (Akimoto Youhei, Auger Anne, Brockhoff Dimo, Hansen Nikolaus, Mersmann Olaf, Posik Petr., eds.)(Madrid, Spain):1159–1166ACM 2015.
- [109] Ameca-Alducin Maria-Yaneli, Mezura-Montes Efren, Cruz-Ramirez Nicandro. Differential Evolution with a Repair Method to Solve Dynamic Constrained Optimization Problems in GECCO'15 Student Workshop (Tusar Tea, Naujoks Boris., eds.)(Madrid, Spain):1169–1172ACM 2015.
- [110] Bernatskiy Anton, Bongard Joshua C.. Exploiting the Relationship Between Structural Modularity and Sparsity for Faster Network Evolution in *GECCO'15 Student Workshop* (Tusar Tea, Naujoks Boris., eds.)(Madrid, Spain):1173–1176ACM 2015.
- [111] Buzdalova Arina, Matveeva Anna, Korneev Georgiy. Selection of Auxiliary Objectives with Multi-Objective Reinforcement Learning in *GECCO'15 Student Workshop* (Tusar Tea, Naujoks Boris., eds.)(Madrid, Spain):1177–1180ACM 2015.
- [112] Cabassi Federico, Locatelli Marco. A Computational Comparison of Memetic Differential Evolution Approaches in *GECCO'15 Student Workshop* (Tusar Tea, Naujoks Boris., eds.)(Madrid, Spain):1181–1184ACM 2015.
- [113] Chivilikhin Daniil, Ivanov Ilya, Shalyto Anatoly. Inferring Temporal Properties of Finite-State Machine Models with Genetic Programming in *GECCO'15 Student Workshop* (Tusar Tea, Naujoks Boris., eds.)(Madrid, Spain):1185–1188ACM 2015.
- [114] Degroote Hans, De Causmaecker Patrick. Towards a Knowledge Base for Performance Data: A Formal Model for Performance Comparison in GECCO'15 Student Workshop (Tusar Tea, Naujoks Boris., eds.)(Madrid, Spain):1189-1192ACM 2015.
- [115] de las Cuevas Delgado Paloma, Merelo Juan Julian, Garcia Sanchez Pablo. Soft Computing Techniques Applied to Corporate and Personal Security in *GECCO'15 Student Workshop* (Tusar Tea, Naujoks Boris., eds.)(Madrid, Spain):1193–1196ACM 2015.
- [116] Gaier Adam. Evolutionary Design via Indirect Encoding of Non-Uniform Rational Basis Splines in *GECCO'15 Student Workshop* (Tusar Tea, Naujoks Boris., eds.)(Madrid, Spain):1197–1200ACM 2015.
- [117] Miyakawa Minami, Takadama Keiki, Sato Hiroyuki. Control of Crossed Genes Ratio for Directed Mating in Evolutionary Constrained Multi-Objective Optimization in *GECCO'15 Student Workshop* (Tusar Tea, Naujoks Boris., eds.)(Madrid, Spain):1201–1204ACM 2015.
- [118] Ramirez-Atencia Cristian, Bello-Orgaz Gema, R-Moreno Maria D., Camacho David. A Hybrid MOGA-CSP for Multi-UAV Mission Planning in GECCO'15 Student Workshop (Tusar Tea, Naujoks Boris., eds.)(Madrid, Spain):1205-1208ACM 2015.
- [119] Scott Eric O., De Jong Kenneth A.. Evaluation-Time Bias in Asynchronous Evolutionary Algorithms in *GECCO'15 Student Workshop* (Tusar Tea, Naujoks Boris., eds.)(Madrid, Spain):1209–1212ACM 2015.

- [120] Sun Yuan, Kirley Michael, Halgamuge Saman Kumara. On the Selection of Decomposition Methods for Large Scale Fully Non-separable Problems in GECCO'15 Student Workshop (Tusar Tea, Naujoks Boris., eds.)(Madrid, Spain):1213-1216ACM 2015.
- [121] Zegklitz Jan, Posik Petr. Symbolic Regression by Grammar-based Multi-Gene Genetic Programming in *GECCO'15 Student Workshop* (Tusar Tea, Naujoks Boris., eds.)(Madrid, Spain):1217–1220ACM 2015.
- [122] Berger Benjamin, Andino Alvin, Danise Andrew, Rieffel John. Growing and Evolving Vibrationally Actuated Soft Robots in *GECCO'15 Student Workshop* (Tusar Tea, Naujoks Boris., eds.)(Madrid, Spain):1221–1224ACM 2015.
- [123] Madera Quetzali, Garcia-Valdez Mario, Castillo Oscar, Mancilla Alejandra. A Method Based on Interactive Evolutionary Computation for Increasing the Effectiveness of Advertisement Texts in *GECCO'15 Student Workshop* (Tusar Tea, Naujoks Boris., eds.)(Madrid, Spain):1225–1228ACM 2015.
- [124] Mironovich Vladimir, Buzdalov Maxim. Hard Test Generation for Maximum Flow Algorithms with the Fast Crossover-Based Evolutionary Algorithm in *GECCO'15 Student Workshop* (Tusar Tea, Naujoks Boris., eds.)(Madrid, Spain):1229–1232ACM 2015.
- [125] Sungu Gizem, Boz Betul. An Evolutionary Algorithm for Weighted Graph Coloring Problem in GECCO'15 Student Workshop (Tusar Tea, Naujoks Boris., eds.)(Madrid, Spain):1233–1236ACM 2015.
- [126] Steyven Andreas, Hart Emma, Paechter Ben. The Cost of Communication: Environmental Pressure and Survivability in mEDEA in *GECCO 2015 Evolving Collective Behaviors in Robotics (ECBR'15) Workshop* (Prieto Abraham, Bredeche Nicolas, Haasdijk Evert., eds.)(Madrid, Spain):1239–1240ACM 2015.
- [127] Trueba Pedro, Prieto Abraham, Bellas Francisco, Duro Richard J.. Embodied Evolution for Collective Indoor Surveillance and Location in *GECCO 2015 Evolving Collective Behaviors in Robotics (ECBR'15) Workshop* (Prieto Abraham, Bredeche Nicolas, Haasdijk Evert., eds.)(Madrid, Spain):1241–1242ACM 2015.
- [128] Heinerman Jacqueline. Collective Sharing of Knowledge in a DREAM in *GECCO 2015 Evolving Collective Behaviors in Robotics (ECBR'15) Workshop* (Prieto Abraham, Bredeche Nicolas, Haasdijk Evert., eds.)(Madrid, Spain):1243–1244ACM 2015.
- [129] Zahadat Payam, Hamann Heiko, Schmickl Thomas. Evolving Diverse Collective Behaviors Independent of Swarm Density in *GECCO 2015 Evolving Collective Behaviors in Robotics* (*ECBR'15*) Workshop (Prieto Abraham, Bredeche Nicolas, Haasdijk Evert., eds.)(Madrid, Spain):1245–1246ACM 2015.
- [130] Bredeche Nicolas, Haasdijk Evert, Prieto Abraham. Elements of Embodied Evolutionary Robotics in *GECCO 2015 Evolving Collective Behaviors in Robotics (ECBR'15) Workshop* (Prieto Abraham, Bredeche Nicolas, Haasdijk Evert., eds.)(Madrid, Spain):1247–1247ACM 2015.
- [131] Golemo Florian, Markovic Marjeta, Schoormans Jasper, De Jonge Peter, Couwenberg Maik, Haasdijk Evert. Simulating Morphological Evolution in Large Robot Populations in GECCO 2015 Evolving Collective Behaviors in Robotics (ECBR'15) Workshop (Prieto Abraham, Bredeche Nicolas, Haasdijk Evert., eds.)(Madrid, Spain):1249–1250ACM 2015.
- [132] Gomes Jorge, Mariano Pedro, Christensen Anders Lyhne. Hyb-CCEA: Cooperative Coevolution of Hybrid Teams in GECCO 2015 Evolving Collective Behaviors in Robotics (ECBR'15) Workshop (Prieto Abraham, Bredeche Nicolas, Haasdijk Evert., eds.)(Madrid, Spain):1251– 1252ACM 2015.
- [133] Hamann Heiko. Evolution of Collective Behaviors by Minimizing Surprisal and by Micro-Macro Links in *GECCO 2015 Evolving Collective Behaviors in Robotics (ECBR'15) Workshop* (Prieto Abraham, Bredeche Nicolas, Haasdijk Evert., eds.)(Madrid, Spain):1253–1253ACM 2015.

- [134] Aljawawdeh Hamzeh J., Simons Christopher L., Odeh Mohammed. Metaheuristic Design Pattern: Preference in GECCO 2015 2nd Workshop on Metaheuristic Design Patterns (MetaDeeP'15) (Simons Chris, Swan Jerry, Krawiec Krzysztof, Tauritz Daniel, Smith Jim., eds.)(Madrid, Spain):1257–1260ACM 2015.
- [135] Brownlee Alexander E.I., Woodward John R., Swan Jerry. Metaheuristic Design Pattern: Surrogate Fitness Functions in *GECCO 2015 2nd Workshop on Metaheuristic Design Patterns* (MetaDeeP'15) (Simons Chris, Swan Jerry, Krawiec Krzysztof, Tauritz Daniel, Smith Jim., eds.)(Madrid, Spain):1261–1264ACM 2015.
- [136] Graham Kevin, Swan Jerry, Martin Simon. The 'Blackboard Pattern' for Metaheuristics in GECCO 2015 2nd Workshop on Metaheuristic Design Patterns (MetaDeeP'15) (Simons Chris, Swan Jerry, Krawiec Krzysztof, Tauritz Daniel, Smith Jim., eds.)(Madrid, Spain):1265– 1267ACM 2015.
- [137] Patelli Alina, Bencomo Nelly, Ekart Aniko, Goldingay Harry, Lewis Peter. Two-B or not Two-B?: Design Patterns for Hybrid Metaheuristics in *GECCO 2015 2nd Workshop on Metaheuristic Design Patterns (MetaDeeP'15)* (Simons Chris, Swan Jerry, Krawiec Krzysztof, Tauritz Daniel, Smith Jim., eds.)(Madrid, Spain):1269–1274ACM 2015.
- [138] Forstenlechner Stefan, Nicolau Miguel, Fagan David, O'Neill Michael. Introducing Semantic-Clustering Selection in Grammatical Evolution in *GECCO 2015 Semantic Methods in Genetic Programming (SMGP'15) Workshop* (Johnson Colin, Krawiec Krzysztof, Moraglio Alberto, O'Neill Michael., eds.)(Madrid, Spain):1277–1284ACM 2015.
- [139] Medernach David, Fitzgerald Jeannie, Azad R. Muhammad Atif, Ryan Conor. Wave: Incremental Erosion of Residual Error in *GECCO 2015 Semantic Methods in Genetic Programming (SMGP'15) Workshop* (Johnson Colin, Krawiec Krzysztof, Moraglio Alberto, O'Neill Michael., eds.)(Madrid, Spain):1285–1292ACM 2015.
- [140] Ffrancon Robyn, Schoenauer Marc. Greedy Semantic Local Search for Small Solutions in GECCO 2015 Semantic Methods in Genetic Programming (SMGP'15) Workshop (Johnson Colin, Krawiec Krzysztof, Moraglio Alberto, O'Neill Michael., eds.)(Madrid, Spain):1293–1300ACM 2015.
- [141] Liskowski Pawel, Krawiec Krzysztof, Helmuth Thomas, Spector Lee. Comparison of Semanticaware Selection Methods in Genetic Programming in *GECCO 2015 Semantic Methods in Genetic Programming (SMGP'15) Workshop* (Johnson Colin, Krawiec Krzysztof, Moraglio Alberto, O'Neill Michael., eds.)(Madrid, Spain):1301–1307ACM 2015.
- [142] Baldominos Alejandro, Saez Yago, Isasi Pedro. Feature Set Optimization for Physical Activity Recognition Using Genetic Algorithms in GECCO 2015 Medical Applications of Genetic and Evolutionary Computation (MedGEC'15) Workshop (Smith Stephen L., Cagnoni Stefano, Patton Robert M., eds.) (Madrid, Spain):1311–1318ACM 2015.
- [143] Rivero Daniel, Fernandez-Blanco Enrique, Dorado Julian, Pazos Alejandro. Classification of Twochannel Signals by Means of Genetic Programming in GECCO 2015 Medical Applications of Genetic and Evolutionary Computation (MedGEC'15) Workshop (Smith Stephen L., Cagnoni Stefano, Patton Robert M.., eds.)(Madrid, Spain):1319–1325ACM 2015.
- [144] Velasco J. Manuel, Winkler Stephan, Hidalgo J. Ignacio, et al. Data-Based Identification of Prediction Models for Glucose in GECCO 2015 Medical Applications of Genetic and Evolutionary Computation (MedGEC'15) Workshop (Smith Stephen L., Cagnoni Stefano, Patton Robert M., eds.)(Madrid, Spain):1327–1334ACM 2015.
- [145] Dorfer Viktoria, Maltsev Sergey, Dreiseitl Stephan, Mechtler Karl, Winkler Stephan M.. 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 (Smith Stephen L., Cagnoni Stefano, Patton Robert M.., eds.)(Madrid, Spain):1335– 1341ACM 2015.

- [146] Alyahya Khulood, Rowe Jonathan E.. 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 (Silva Sara, Esparcia-Alcazar Anna I, Lopez-Ibanez Manuel, et al., eds.)(Madrid, Spain):1343–1344ACM 2015.
- [147] Araujo Lourdes, Martinez-Romo Juan, Duque Andres. Grammatical Evolution for Identifying Wikipedia Taxonomies in *GECCO Companion '15: Proceedings of the Companion Publication of the 2015 on Genetic and Evolutionary Computation Conference* (Silva Sara, Esparcia-Alcazar Anna I, Lopez-Ibanez Manuel, et al., eds.)(Madrid, Spain):1345–1346ACM 2015.
- [148] Astete-Morales Sandra, Cauwet Marie-Liesse, Teytaud Olivier. 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 (Silva Sara, Esparcia-Alcazar Anna I, Lopez-Ibanez Manuel, et al., eds.)(Madrid, Spain):1347-1348ACM 2015.
- [149] Atilgan Emrah, Hu Jianjun. 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* (Silva Sara, Esparcia-Alcazar Anna I, Lopez-Ibanez Manuel, et al., eds.)(Madrid, Spain):1349–1350ACM 2015.
- [150] Bajer Lukas, Pitra Zbynek, Holena Martin. 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* (Silva Sara, Esparcia-Alcazar Anna I, Lopez-Ibanez Manuel, et al., eds.)(Madrid, Spain):1351–1352ACM 2015.
- [151] Bankovic Zorana, Lopez-Garcia Pedro. 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 (Silva Sara, Esparcia-Alcazar Anna I, Lopez-Ibanez Manuel, et al., eds.)(Madrid, Spain):1353–1354ACM 2015.
- [152] Berny Arnaud. Herding Evolutionary Algorithm in GECCO Companion '15: Proceedings of the Companion Publication of the 2015 on Genetic and Evolutionary Computation Conference (Silva Sara, Esparcia-Alcazar Anna I, Lopez-Ibanez Manuel, et al., eds.)(Madrid, Spain):1355– 1356ACM 2015.
- [153] Bokhari Mahmoud, Wagner Markus. 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* (Silva Sara, Esparcia-Alcazar Anna I, Lopez-Ibanez Manuel, et al., eds.)(Madrid, Spain):1357–1358ACM 2015.
- [154] Boussaa Mohamed, Barais Olivier, Sunye Gerson, Baudry Benoit. 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* (Silva Sara, Esparcia-Alcazar Anna I, Lopez-Ibanez Manuel, et al., eds.)(Madrid, Spain):1359–1360ACM 2015.
- [155] Cardenas-Montes Miguel, Vega-Rodriguez Miguel Angel, Rodriguez-Vazquez Juan Jose, Gomez-Iglesias Antonio. 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 (Silva Sara, Esparcia-Alcazar Anna I, Lopez-Ibanez Manuel, et al., eds.)(Madrid, Spain):1361–1362ACM 2015.
- [156] Chaabani Abir, Bechikh Slim, Ben Said Lamjed, Azzouz Radhia. 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* (Silva Sara, Esparcia-Alcazar Anna I, Lopez-Ibanez Manuel, et al., eds.)(Madrid, Spain):1363–1364ACM 2015.

- [157] Chabin Thomas, Tonda Alberto, Lutton Evelyne. 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* (Silva Sara, Esparcia-Alcazar Anna I, Lopez-Ibanez Manuel, et al., eds.)(Madrid, Spain):1365–1366ACM 2015.
- [158] Chen Liang-Yu, Lee Po-Ming, Hsiao Tzu-Chien. 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 (Silva Sara, Esparcia-Alcazar Anna I, Lopez-Ibanez Manuel, et al., eds.)(Madrid, Spain):1367– 1368ACM 2015.
- [159] Chennupati Gopinath, Azad R. Muhammad Atif, Ryan Conor. 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* (Silva Sara, Esparcia-Alcazar Anna I, Lopez-Ibanez Manuel, et al., eds.)(Madrid, Spain):1369–1370ACM 2015.
- [160] Christmas Jacqueline. Genetic C Programming with Probabilistic Evaluation in GECCO Companion '15: Proceedings of the Companion Publication of the 2015 on Genetic and Evolutionary Computation Conference (Silva Sara, Esparcia-Alcazar Anna I, Lopez-Ibanez Manuel, et al., eds.)(Madrid, Spain):1371–1372ACM 2015.
- [161] Davila Jaime J.. 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 (Silva Sara, Esparcia-Alcazar Anna I, Lopez-Ibanez Manuel, et al., eds.)(Madrid, Spain):1373–1374ACM 2015.
- [162] de Bokx Roy, Thierens Dirk, Bosman Peter A.N.. In Search of Optimal Linkage Trees in GECCO Companion '15: Proceedings of the Companion Publication of the 2015 on Genetic and Evolutionary Computation Conference (Silva Sara, Esparcia-Alcazar Anna I, Lopez-Ibanez Manuel, et al., eds.)(Madrid, Spain):1375–1376ACM 2015.
- [163] Decock Jeremie, Liu Jialin, Tetaud Olivier. 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* (Silva Sara, Esparcia-Alcazar Anna I, Lopez-Ibanez Manuel, et al., eds.)(Madrid, Spain):1377–1378ACM 2015.
- [164] Decroos Tom, De Causmaecker Patrick, Demoen Bart. 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* (Silva Sara, Esparcia-Alcazar Anna I, Lopez-Ibanez Manuel, et al. , eds.)(Madrid, Spain):1379–1380ACM 2015.
- [165] DeVautl Travis, Forrest Seth, Tanimoto Ian, Soule Terence, Heckendorn Robert. 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 (Silva Sara, Esparcia-Alcazar Anna I, Lopez-Ibanez Manuel, et al., eds.)(Madrid, Spain):1381–1382ACM 2015.
- [166] Diaz Alvarez Josefa, Colmenar J. Manuel, Risco-Martin Jose L., Lanchares Juan, Garnica Oscar. 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 (Silva Sara, Esparcia-Alcazar Anna I, Lopez-Ibanez Manuel, et al., eds.)(Madrid, Spain):1383-1384ACM 2015.
- [167] Du Xin, Ni Youcong, Ye Peng. 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 (Silva Sara, Esparcia-Alcazar Anna I, Lopez-Ibanez Manuel, et al., eds.) (Madrid, Spain):1385–1386ACM 2015.
- [168] Fernandez Silvino, Alvarez Segundo, Malatsetxebarria Eneko, Valledor Pablo, Diaz Diego. 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 (Silva Sara, Esparcia-Alcazar Anna I, Lopez-Ibanez Manuel, et al., eds.)(Madrid, Spain):1387–1388ACM 2015.
- [169] Filipiak Patryk, Michalak Krzysztof, Lipinski Piotr. 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* (Silva Sara, Esparcia-Alcazar Anna I, Lopez-Ibanez Manuel, et al., eds.)(Madrid, Spain):1389–1390ACM 2015.
- [170] Freitas Jamisson Santana, Garrozi Cicero, Valenca Meuser. 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* (Silva Sara, Esparcia-Alcazar Anna I, Lopez-Ibanez Manuel, et al., eds.)(Madrid, Spain):1391–1392ACM 2015.
- [171] Gabler Andrew, Colby Mitchell, Tumer Kagan. 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 (Silva Sara, Esparcia-Alcazar Anna I, Lopez-Ibanez Manuel, et al., eds.)(Madrid, Spain):1393-1394ACM 2015.
- [172] Gao Wanru, Pourhassan Mojgan, Neumann Frank. 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* (Silva Sara, Esparcia-Alcazar Anna I, Lopez-Ibanez Manuel, et al., eds.)(Madrid, Spain):1395–1396ACM 2015.
- [173] Ghassemi Toosi Farshad, Nikolov Nikola S., Eaton Malachy. 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* (Silva Sara, Esparcia-Alcazar Anna I, Lopez-Ibanez Manuel, et al., eds.)(Madrid, Spain):1397–1398ACM 2015.
- [174] Gorji Sefidmazgi Mohammad, Moradi Kordmahalleh Mina, Homaifar Abdollah. 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 (Silva Sara, Esparcia-Alcazar Anna I, Lopez-Ibanez Manuel, et al., eds.)(Madrid, Spain):1399-1400ACM 2015.
- [175] Hruska Frantisek, Kubalik Jiri. 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* (Silva Sara, Esparcia-Alcazar Anna I, Lopez-Ibanez Manuel, et al., eds.)(Madrid, Spain):1401–1402ACM 2015.
- [176] Inostroza-Ponta Mario, Farfan Camilo, Dorn Marcio. 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 (Silva Sara, Esparcia-Alcazar Anna I, Lopez-Ibanez Manuel, et al., eds.)(Madrid, Spain):1403–1404ACM 2015.
- [177] Jankee Christopher, Verel Sebastien, Derbel Bilel, Flonlupt Cyril. 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* (Silva Sara, Esparcia-Alcazar Anna I, Lopez-Ibanez Manuel, et al., eds.)(Madrid, Spain):1405–1406ACM 2015.

- [178] Jia Guanbo, He Shan, Zhu Zexuan, Liu Jing, Tang Ke. 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* (Silva Sara, Esparcia-Alcazar Anna I, Lopez-Ibanez Manuel, et al., eds.)(Madrid, Spain):1407–1408ACM 2015.
- [179] Jimenez Laredo Juan Luis, Guinand Frederic, Olivier Damien, Bouvry Pascal. 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 (Silva Sara, Esparcia-Alcazar Anna I, Lopez-Ibanez Manuel, et al., eds.)(Madrid, Spain):1409–1410ACM 2015.
- [180] Zheng Jinhua, Bai Hui, Shen Ruimin, Li Miqing. 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* (Silva Sara, Esparcia-Alcazar Anna I, Lopez-Ibanez Manuel, et al., eds.)(Madrid, Spain):1411–1412ACM 2015.
- [181] Jung Chanju, Kim Yong-Hyuk, Yoon Yourim, Moon Byung-Ro. 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* (Silva Sara, Esparcia-Alcazar Anna I, Lopez-Ibanez Manuel, et al., eds.)(Madrid, Spain):1413–1414ACM 2015.
- [182] Karimpour Reza, Ruhe Guenther. 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* (Silva Sara, Esparcia-Alcazar Anna I, Lopez-Ibanez Manuel, et al., eds.)(Madrid, Spain):1415–1416ACM 2015.
- [183] Kumar Udit, Jayadeva , Soman Sumit. 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* (Silva Sara, Esparcia-Alcazar Anna I, Lopez-Ibanez Manuel, et al. , eds.)(Madrid, Spain):1417–1418ACM 2015.
- [184] Li Hai-Hao, Chen Zong-Gan, Zhan Zhi-Hui, Du Ke-Jing, Zhang Jun. 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 (Silva Sara, Esparcia-Alcazar Anna I, Lopez-Ibanez Manuel, et al., eds.)(Madrid, Spain):1419-1420ACM 2015.
- [185] Lobo Fernando G., Bazargani Mosab. 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* (Silva Sara, Esparcia-Alcazar Anna I, Lopez-Ibanez Manuel, et al., eds.)(Madrid, Spain):1421–1422ACM 2015.
- [186] Margarida Dolores, Antunes Carlos Henggeler. 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* (Silva Sara, Esparcia-Alcazar Anna I, Lopez-Ibanez Manuel, et al. , eds.)(Madrid, Spain):1423–1424ACM 2015.
- [187] Mariot Luca, Leporati Alberto. 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* (Silva Sara, Esparcia-Alcazar Anna I, Lopez-Ibanez Manuel, et al., eds.)(Madrid, Spain):1425–1426ACM 2015.
- [188] Marti Luis, Grimme Christian, Kerschke Paskal, Trautmann Heike, Rudolph Guenter. 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 (Silva Sara, Esparcia-Alcazar Anna I, Lopez-Ibanez Manuel, et al., eds.)(Madrid, Spain):1427–1428ACM 2015.
- [189] Martin Matthew A., Bertels Alex R., Tauritz Daniel R.. 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* (Silva Sara, Esparcia-Alcazar Anna I, Lopez-Ibanez Manuel, et al., eds.)(Madrid, Spain):1429–1430ACM 2015.
- [190] Martinez Jabier, Rossi Gabriele, Ziadi Tewfik, Bissyande Tegawende Francois D. Assise, Klein Jacques, Le Traon Yves. 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 (Silva Sara, Esparcia-Alcazar Anna I, Lopez-Ibanez Manuel, et al., eds.)(Madrid, Spain):1431-1432ACM 2015.
- [191] Martins Jean P., Delbem Alexandre C.B.. 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* (Silva Sara, Esparcia-Alcazar Anna I, Lopez-Ibanez Manuel, et al., eds.)(Madrid, Spain):1433–1434ACM 2015.
- [192] Medernach David, Fitzgerald Jeannie, Azad R. Muhammad Atif, Ryan Conor. 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* (Silva Sara, Esparcia-Alcazar Anna I, Lopez-Ibanez Manuel, et al., eds.)(Madrid, Spain):1435–1436ACM 2015.
- [193] Menendez Hector David, Camacho David. 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* (Silva Sara, Esparcia-Alcazar Anna I, Lopez-Ibanez Manuel, et al., eds.)(Madrid, Spain):1437–1438ACM 2015.
- [194] Mirjalili Seyedali, Lewis Andrew. 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* (Silva Sara, Esparcia-Alcazar Anna I, Lopez-Ibanez Manuel, et al., eds.)(Madrid, Spain):1439–1440ACM 2015.
- [195] Mousavi Astarabadi Samaneh Sadat, Ebadzadeh Mohammad Mehdi. 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 (Silva Sara, Esparcia-Alcazar Anna I, Lopez-Ibanez Manuel, et al., eds.)(Madrid, Spain):1441-1442ACM 2015.
- [196] Oprescu Ana-Maria, (Vintila) Filip Alexandra, Kielmann Thilo. 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* (Silva Sara, Esparcia-Alcazar Anna I, Lopez-Ibanez Manuel, et al., eds.)(Madrid, Spain):1443–1444ACM 2015.
- [197] Overbury Peter, Berthouze Luc. 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* (Silva Sara, Esparcia-Alcazar Anna I, Lopez-Ibanez Manuel, et al., eds.)(Madrid, Spain):1445–1446ACM 2015.
- [198] Pallez Denis, Serrurier Mathieu, Costa Pereira Celia, Fusco Giovanni, Cao Cristina. 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* (Silva Sara, Esparcia-Alcazar Anna I, Lopez-Ibanez Manuel, et al., eds.)(Madrid, Spain):1447–1448ACM 2015.

- [199] Papa Joao Papa, Rosa Gustavo Henrique, Costa Kelton A., Marana Nilceu A., Scheirer Walter, Cox David Daniel. 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 (Silva Sara, Esparcia-Alcazar Anna I, Lopez-Ibanez Manuel, et al., eds.)(Madrid, Spain):1449–1450ACM 2015.
- [200] Park John, Nguyen Su, Zhang Mengjie, Johnston Mark. 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 (Silva Sara, Esparcia-Alcazar Anna I, Lopez-Ibanez Manuel, et al., eds.)(Madrid, Spain):1451–1452ACM 2015.
- [201] Perry Todd, Bader-El-Den Mohamed. 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* (Silva Sara, Esparcia-Alcazar Anna I, Lopez-Ibanez Manuel, et al., eds.)(Madrid, Spain):1453–1454ACM 2015.
- [202] Petrova Irina, Buzdalova Arina. 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* (Silva Sara, Esparcia-Alcazar Anna I, Lopez-Ibanez Manuel, et al., eds.)(Madrid, Spain):1455–1456ACM 2015.
- [203] Picek Stjepan, Miller Julian F., Jakobovic Domagoj, Batina Lejla. 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 (Silva Sara, Esparcia-Alcazar Anna I, Lopez-Ibanez Manuel, et al., eds.)(Madrid, Spain):1457–1458ACM 2015.
- [204] Probst Malte. 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 (Silva Sara, Esparcia-Alcazar Anna I, Lopez-Ibanez Manuel, et al., eds.)(Madrid, Spain):1459–1460ACM 2015.
- [205] Rabanal Pablo, Rodriguez Ismael, Rubio Fernando. 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* (Silva Sara, Esparcia-Alcazar Anna I, Lopez-Ibanez Manuel, et al., eds.)(Madrid, Spain):1461–1462ACM 2015.
- [206] RaßAlexander, Schmitt Manuel, Wanka Rolf. 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 (Silva Sara, Esparcia-Alcazar Anna I, Lopez-Ibanez Manuel, et al., eds.)(Madrid, Spain):1463-1464ACM 2015.
- [207] Cantoro Riccardo, Gaudesi Marco, Sanchez Ernesto, Squillero Giovanni. 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 (Silva Sara, Esparcia-Alcazar Anna I, Lopez-Ibanez Manuel, et al., eds.)(Madrid, Spain):1465–1466ACM 2015.
- [208] Riff Maria-Cristina, Montero Elizabeth. 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* (Silva Sara, Esparcia-Alcazar Anna I, Lopez-Ibanez Manuel, et al., eds.)(Madrid, Spain):1467–1468ACM 2015.
- [209] Rojas Nicolas, Montero Elizabeth, Riff Maria-Cristina. 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 (Silva Sara, Esparcia-Alcazar Anna I, Lopez-Ibanez Manuel, et al., eds.)(Madrid, Spain):1469–1470ACM 2015.
- [210] Runka Andrew, White Tony. 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* (Silva Sara, Esparcia-Alcazar Anna I, Lopez-Ibanez Manuel, et al., eds.)(Madrid, Spain):1471–1472ACM 2015.
- [211] Ryser-Welch Patricia, Miller Julian F., Asta Shariar. Evolutionary Cross-Domain Hyper-Heuristics in *GECCO Companion '15: Proceedings of the Companion Publication of the 2015 on Genetic and Evolutionary Computation Conference* (Silva Sara, Esparcia-Alcazar Anna I, Lopez-Ibanez Manuel, et al., eds.)(Madrid, Spain):1473–1474ACM 2015.
- [212] Salah Ahmed, Hart Emma. 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* (Silva Sara, Esparcia-Alcazar Anna I, Lopez-Ibanez Manuel, et al., eds.)(Madrid, Spain):1475–1476ACM 2015.
- [213] Santana Roberto, Mendiburu Alexander, Lozano Jose A.. Multi-objective NM-Landscapes in GECCO Companion '15: Proceedings of the Companion Publication of the 2015 on Genetic and Evolutionary Computation Conference (Silva Sara, Esparcia-Alcazar Anna I, Lopez-Ibanez Manuel, et al., eds.)(Madrid, Spain):1477–1478ACM 2015.
- [214] Santucci Valentino, Baioletti Marco, Milani Alfredo. 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 (Silva Sara, Esparcia-Alcazar Anna I, Lopez-Ibanez Manuel, et al., eds.)(Madrid, Spain):1479–1480ACM 2015.
- [215] Schmitt Jonas, Seufert Sabine, Zoubek Christian, Koestler Harald. 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* (Silva Sara, Esparcia-Alcazar Anna I, Lopez-Ibanez Manuel, et al., eds.)(Madrid, Spain):1481–1482ACM 2015.
- [216] Sher Gene. Momentum Enhanced Neuroevolution in GECCO Companion '15: Proceedings of the Companion Publication of the 2015 on Genetic and Evolutionary Computation Conference (Silva Sara, Esparcia-Alcazar Anna I, Lopez-Ibanez Manuel, et al., eds.)(Madrid, Spain):1483– 1484ACM 2015.
- [217] Sim Kevin, Hart Emma. 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* (Silva Sara, Esparcia-Alcazar Anna I, Lopez-Ibanez Manuel, et al., eds.)(Madrid, Spain):1485–1486ACM 2015.
- [218] Soares Alessandra M., Fernandes Bruno J.T., Bastos-Filho Carmelo J.A.. 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* (Silva Sara, Esparcia-Alcazar Anna I, Lopez-Ibanez Manuel, et al., eds.)(Madrid, Spain):1487–1488ACM 2015.
- [219] Stehling Thiago Muniz, DE Souza Sergio Ricado, De Franca Filho Moacir F.. 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 (Silva Sara, Esparcia-Alcazar Anna I, Lopez-Ibanez Manuel, et al., eds.)(Madrid, Spain):1489–1490ACM 2015.
- [220] Stoean Catalin, Stoean Ruxandra, Sandita Adrian, Mesina Cristian, Gruia Corina Lavinia, Ciobanu Daniela. 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* (Silva Sara, Esparcia-Alcazar Anna I, Lopez-Ibanez Manuel, et al., eds.)(Madrid, Spain):1491–1492ACM 2015.
- [221] Tanabe Ryoji. 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 (Silva Sara, Esparcia-Alcazar Anna I, Lopez-Ibanez Manuel, et al., eds.)(Madrid, Spain):1493–1494ACM 2015.
- [222] Trunfio Giuseppe A.. 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* (Silva Sara, Esparcia-Alcazar Anna I, Lopez-Ibanez Manuel, et al., eds.)(Madrid, Spain):1495–1496ACM 2015.
- [223] Tsang Wilburn W.P., Lau Henry Y.K.. A Grid-facilitated AIS-based Network Scheme for Manyobjective Optimization in *GECCO Companion '15: Proceedings of the Companion Publication* of the 2015 on Genetic and Evolutionary Computation Conference (Silva Sara, Esparcia-Alcazar Anna I, Lopez-Ibanez Manuel, et al., eds.)(Madrid, Spain):1497–1498ACM 2015.
- [224] Turner Andrew James, Miller Julian Francis. 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 (Silva Sara, Esparcia-Alcazar Anna I, Lopez-Ibanez Manuel, et al., eds.)(Madrid, Spain):1499–1500ACM 2015.
- [225] Ugolotti Roberto, Cagnoni Stefano. Automatic Tuning of Standard PSO Versions in *GECCO Companion '15: Proceedings of the Companion Publication of the 2015 on Genetic and Evolutionary Computation Conference* (Silva Sara, Esparcia-Alcazar Anna I, Lopez-Ibanez Manuel, et al., eds.)(Madrid, Spain):1501–1502ACM 2015.
- [226] Urquhart Neil B., Hart Emma, Judson Alistair. 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* (Silva Sara, Esparcia-Alcazar Anna I, Lopez-Ibanez Manuel, et al., eds.)(Madrid, Spain):1503–1504ACM 2015.
- [227] Vasicek Zdenek, Sekanina Lukas. Evolutionary Approximation of Complex Digital Circuits in GECCO Companion '15: Proceedings of the Companion Publication of the 2015 on Genetic and Evolutionary Computation Conference (Silva Sara, Esparcia-Alcazar Anna I, Lopez-Ibanez Manuel, et al., eds.)(Madrid, Spain):1505–1506ACM 2015.
- [228] Verbancsics Phillip, Harguess Josh. 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 (Silva Sara, Esparcia-Alcazar Anna I, Lopez-Ibanez Manuel, et al., eds.)(Madrid, Spain):1507–1508ACM 2015.
- [229] Verbancsics Phillip. 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 (Silva Sara, Esparcia-Alcazar Anna I, Lopez-Ibanez Manuel, et al., eds.)(Madrid, Spain):1509–1510ACM 2015.
- [230] von Luecken Christian, Monzon Hugo, Brizuela Carlos, Baran Benjamin. 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 (Silva Sara, Esparcia-Alcazar Anna I, Lopez-Ibanez Manuel, et al., eds.)(Madrid, Spain):1511–1512ACM 2015.
- [231] Wagy Mark D., Bongard Josh C.. Crowdseeding Robot Design in *GECCO Companion '15: Proceedings of the Companion Publication of the 2015 on Genetic and Evolutionary Computation Conference* (Silva Sara, Esparcia-Alcazar Anna I, Lopez-Ibanez Manuel, et al., eds.)(Madrid, Spain):1513–1514ACM 2015.

- [232] Wang Jia, Chen Wei-Neng, Zhang Jun, Lin Ying. 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* (Silva Sara, Esparcia-Alcazar Anna I, Lopez-Ibanez Manuel, et al., eds.)(Madrid, Spain):1515–1516ACM 2015.
- [233] Watkins Chris, Buttkewitz Yvonne. 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* (Silva Sara, Esparcia-Alcazar Anna I, Lopez-Ibanez Manuel, et al., eds.)(Madrid, Spain):1517–1518ACM 2015.
- [234] Weiss Cohen Miri, Dahan Adi, Kaspi Izzik. 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* (Silva Sara, Esparcia-Alcazar Anna I, Lopez-Ibanez Manuel, et al., eds.)(Madrid, Spain):1519–1520ACM 2015.
- [235] White David R., Yoo Shin, Singer Jeremy. 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* (Silva Sara, Esparcia-Alcazar Anna I, Lopez-Ibanez Manuel, et al., eds.)(Madrid, Spain):1521–1522ACM 2015.
- [236] Wu Yao-Ming, Chen Liang-Yu, Lee Po-Ming, Hsiao Tzu-Chien. 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* (Silva Sara, Esparcia-Alcazar Anna I, Lopez-Ibanez Manuel, et al., eds.)(Madrid, Spain):1523–1524ACM 2015.
- [237] Yliniemi Logan, Tumer Kagan. Complete Multi-Objective Coverage with PaCcET in GECCO Companion '15: Proceedings of the Companion Publication of the 2015 on Genetic and Evolutionary Computation Conference (Silva Sara, Esparcia-Alcazar Anna I, Lopez-Ibanez Manuel, et al., eds.)(Madrid, Spain):1525–1526ACM 2015.
- [238] Zegklitz Jan, Posik Petr. 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* (Silva Sara, Esparcia-Alcazar Anna I, Lopez-Ibanez Manuel, et al., eds.)(Madrid, Spain):1527–1528ACM 2015.
- [239] Pappa Gisele, Simoes Anabela, Sudholt Dirk, et al., eds. GECCO Companion '15: Proceedings of the Companion Publication of the 2015 on Genetic and Evolutionary Computation Conference(Madrid, Spain) 2015.