

## Список литературы

- [1] G. LEE, M. LUO, F. ZAMBETTA, and X. LI, Learning a Super Mario Controller from Examples of Human Play, in *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*, edited by C. A. COELLO COELLO, pp. 1–8, Beijing, China, 2014.
- [2] T. NGUYEN, K. NGUYEN, and R. THAWONMAS, Integrating Fuzzy Integral and Heuristic Search for Unit Micromanagement in RTS Games, in *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*, edited by C. A. COELLO COELLO, pp. 9–12, Beijing, China, 2014.
- [3] D. ASHLOCK and P. HINGSTON, \*Tego - A Framework for Adversarial Planning, in *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*, edited by C. A. COELLO COELLO, pp. 13–20, Beijing, China, 2014.
- [4] M. GAUDESI, E. PICCOLO, G. SQUILLERO, and A. TONDA, TURAN: Evolving Non-Deterministic Players for the Iterated Prisoner’s Dilemma, in *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*, edited by C. A. COELLO COELLO, pp. 21–27, Beijing, China, 2014.
- [5] A. BUCK, T. BANERJEE, and J. KELLER, Evolving a Fuzzy Goal-Driven Strategy for the Game of Geister, in *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*, edited by C. A. COELLO COELLO, pp. 28–35, Beijing, China, 2014.
- [6] H. HANDA, Deep Boltzmann Machine for Evolutionary Agents of Mario AI, in *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*, edited by C. A. COELLO COELLO, pp. 36–41, Beijing, China, 2014.
- [7] H. F. RAHMAN, R. SARKER, D. ESSAM, and G. CHANG, A Memetic Algorithm for Solving Permutation Flow Shop Problems with Known and Unknown Machine Breakdowns, in *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*, edited by C. A. COELLO COELLO, pp. 42–49, Beijing, China, 2014.
- [8] A. MA, Y. ZHONG, and L. ZHANG, Remote Sensing Imagery Clustering Using an Adaptive Bi-Objective Memetic Method, in *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*, edited by C. A. COELLO COELLO, pp. 50–57, Beijing, China, 2014.
- [9] J. MA, Y. LEI, Z. WANG, and L. JIAO, A Memetic Algorithm Based on Immune Multi-Objective Optimization for Flexible Job-Shop Scheduling Problems, in *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*, edited by C. A. COELLO COELLO, pp. 58–65, Beijing, China, 2014.
- [10] W. MA, Y. ZUO, J. ZENG, S. LIANG, and L. JIAO, A Memetic Algorithm for Solving Flexible Job-Shop Scheduling Problems, in *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*, edited by C. A. COELLO COELLO, pp. 66–73, Beijing, China, 2014.
- [11] K. WEI and M. J. DINNEEN, Hybridizing the Dynamic Mutation Approach with Local Searches to Overcome Local Optima, in *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*, edited by C. A. COELLO COELLO, pp. 74–81, Beijing, China, 2014.
- [12] C. LIU and B. LI, Memetic Algorithm with Adaptive Local Search Depth for Large Scale Global Optimization, in *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*, edited by C. A. COELLO COELLO, pp. 82–88, Beijing, China, 2014.
- [13] W. A. ALBUKHANAJER, Y. JIN, and J. A. BRIFFA, Neural Network Ensembles for Image Identification Using Pareto-Optimal Features, in *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*, edited by C. A. COELLO COELLO, pp. 89–96, Beijing, China, 2014.
- [14] A. VALSECCHI, P. MESEJO, L. MARRAKCHI-KACEM, S. CAGNONI, and S. DAMAS, Automatic Evolutionary Medical Image Segmentation Using Deformable Models, in *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*, edited by C. A. COELLO COELLO, pp. 97–104, Beijing, China, 2014.

- [15] G. SCHAEFER, B. KRAWCZYK, N. DOSHI, and T. NAKASHIMA, Cost-Sensitive Texture Classification, in *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*, edited by C. A. COELLO COELLO, pp. 105–108, Beijing, China, 2014.
- [16] S. S. NAQVI, W. N. BROWNE, and C. HOLLITT, Genetic Algorithms Based Feature Combination for Salient Object Detection, for Autonomously Identified Image Domain Types, in *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*, edited by C. A. COELLO COELLO, pp. 109–116, Beijing, China, 2014.
- [17] W. FU, M. JOHNSTON, and M. ZHANG, Unsupervised Learning for Edge Detection Using Genetic Programming, in *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*, edited by C. A. COELLO COELLO, pp. 117–124, Beijing, China, 2014.
- [18] M. WAGNER and F. NEUMANN, Single- and Multi-Objective Genetic Programming: New Runtime Results for SORTING, in *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*, edited by C. A. COELLO COELLO, pp. 125–132, Beijing, China, 2014.
- [19] K. WEI and M. J. DINNEEN, Runtime Comparison of Two Fitness Functions on a Memetic Algorithm for the Clique Problem, in *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*, edited by C. A. COELLO COELLO, pp. 133–140, Beijing, China, 2014.
- [20] J. HE, M. BORIS, and Y. ZHOU, A Theoretical Assessment of Solution Quality in Evolutionary Algorithms for the Knapsack Problem, in *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*, edited by C. A. COELLO COELLO, pp. 141–148, Beijing, China, 2014.
- [21] Y. YU and H. QIAN, The Sampling-and-Learning Framework: A Statistical View of Evolutionary Algorithms, in *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*, edited by C. A. COELLO COELLO, pp. 149–158, Beijing, China, 2014.
- [22] A. CHOTARD, A. AUGER, and N. HANSEN, Markov Chain Analysis of Evolution Strategies on a Linear Constraint Optimization Problem, in *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*, edited by C. A. COELLO COELLO, pp. 159–166, Beijing, China, 2014.
- [23] T. EVERITT, T. LATTIMORE, and M. HUTTER, Free Lunch for Optimisation under the Universal Distribution, in *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*, edited by C. A. COELLO COELLO, pp. 167–174, Beijing, China, 2014.
- [24] N. ARANA-DANIEL, A. A. GALLEGOS, C. LOPEZ-FRANCO, and A. Y. ALANIS, Smooth Global and Local Path Planning for Mobile Robot Using Particle Swarm Optimization, Radial Basis Functions, Splines and Bezier Curves, in *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*, edited by C. A. COELLO COELLO, pp. 175–182, Beijing, China, 2014.
- [25] L. WANG, B. YANG, Y. LI, and N. ZHANG, A Novel Improvement of Particle Swarm Optimization Using Dual Factors Strategy, in *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*, edited by C. A. COELLO COELLO, pp. 183–189, Beijing, China, 2014.
- [26] T. XIANG, W. ZHANG, and F. CHEN, A Verifiable PSO Algorithm in Cloud Computing, in *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*, edited by C. A. COELLO COELLO, pp. 190–193, Beijing, China, 2014.
- [27] X. ZONG, S. XIONG, H. XU, and P. DUAN, Space-Time Simulation Model Based on Particle Swarm Optimization Algorithm for Stadium Evacuation, in *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*, edited by C. A. COELLO COELLO, pp. 194–201, Beijing, China, 2014.
- [28] M. CAMPOS and R. KROHLING, Bare Bones Particle Swarm with Scale Mixtures of Gaussians for Dynamic Constrained Optimization, in *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*, edited by C. A. COELLO COELLO, pp. 202–209, Beijing, China, 2014.

- [29] G. ZHANG and Y. LI, Cooperative Particle Swarm Optimizer with Elimination Mechanism for Global Optimization of Multimodal Problems, in *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*, edited by C. A. COELLO COELLO, pp. 210–217, Beijing, China, 2014.
- [30] P. YAN and M. JIAO, A Chaotic Particle Swarm Optimization Algorithm for the Jobshop Scheduling Problem, in *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*, edited by C. A. COELLO COELLO, pp. 218–222, Beijing, China, 2014.
- [31] W. DONG, J. TIAN, X. TANG, K. SHENG, and J. LIU, Autonomous Learning Adaptation for Particle Swarm Optimization, in *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*, edited by C. A. COELLO COELLO, pp. 223–228, Beijing, China, 2014.
- [32] N. WU, Z. ZHU, and Z. JI, A Growing Partitional Clustering Based on Particle Swarm Optimization, in *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*, edited by C. A. COELLO COELLO, pp. 229–234, Beijing, China, 2014.
- [33] F. KUANG, Z. JIN, W. XU, and S. ZHANG, A Novel Chaotic Artificial Bee Colony Algorithm Based on Tent Map, in *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*, edited by C. A. COELLO COELLO, pp. 235–241, Beijing, China, 2014.
- [34] M.-R. CHEN, W. ZENG, G.-Q. ZENG, X. LI, and J.-P. LUO, A Novel Artificial Bee Colony Algorithm with Integration of Extremal Optimization for Numerical Optimization Problems, in *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*, edited by C. A. COELLO COELLO, pp. 242–249, Beijing, China, 2014.
- [35] F. LAURI and A. KOUKAM, Hybrid ACO/EA Algorithms Applied to the Multi-Agent Patrolling Problem, in *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*, edited by C. A. COELLO COELLO, pp. 250–257, Beijing, China, 2014.
- [36] Y. ZENG and Y. SUN, Comparison of Multiobjective Particle Swarm Optimization and Evolutionary Algorithms for Optimal Reactive Power Dispatch Problem, in *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*, edited by C. A. COELLO COELLO, pp. 258–265, Beijing, China, 2014.
- [37] I. CHAMAN-GARCIA, C. C. COELLO, and A. ARIAS-MONTANO, MOPSO<sub>hv</sub>: A New Hypervolume-Based Multi-Objective Particle Swarm Optimizer, in *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*, edited by C. A. COELLO COELLO, pp. 266–273, Beijing, China, 2014.
- [38] Z. PENG, J. ZHENG, and J. ZOU, A Population Diversity Maintaining Strategy Based on Dynamic Environment Evolutionary Model for Dynamic Multiobjective Optimization, in *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*, edited by C. A. COELLO COELLO, pp. 274–281, Beijing, China, 2014.
- [39] L. CARVALHO and M. FERNANDES, Multi-Objective Flexible Job-Shop Scheduling Problem with DIPSO: More Diversity, Greater Efficiency, in *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*, edited by C. A. COELLO COELLO, pp. 282–289, Beijing, China, 2014.
- [40] X.-B. HU, M. WANG, and M. S. LEESON, Calculating the Complete Pareto Front for a Special Class of Continuous Multi-Objective Optimization Problems, in *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*, edited by C. A. COELLO COELLO, pp. 290–297, Beijing, China, 2014.
- [41] R. LARA-CABRERA, C. COTTA, and A. J. FERNANDEZ-LEIVA, A Self-Adaptive Evolutionary Approach to the Evolution of Aesthetic Maps for a RTS Game, in *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*, edited by C. A. COELLO COELLO, pp. 298–304, Beijing, China, 2014.
- [42] Y. CAI and J. DU, Enhanced Differential Evolution with Adaptive Direction Information, in *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*, edited by C. A. COELLO COELLO, pp. 305–312, Beijing, China, 2014.

- [43] M. LOTIF, Visualizing the Population of Meta-Heuristics During the Optimization Process Using Self-Organizing Maps, in *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*, edited by C. A. COELLO COELLO, pp. 313–319, Beijing, China, 2014.
- [44] K. LIN, X. WANG, X. LI, and Y. TAN, Self-Adaptive Morphable Model Based Multi-View Non-Cooperative 3D Face Reconstruction, in *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*, edited by C. A. COELLO COELLO, pp. 320–325, Beijing, China, 2014.
- [45] A. TURKY and S. ABDULLAH, Using Electromagnetic Algorithm for Tuning the Structure and Parameters of Neural Networks, in *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*, edited by C. A. COELLO COELLO, pp. 326–331, Beijing, China, 2014.
- [46] Z. LI, Z. SHANG, J. J. LIANG, and B. Y. QU, Feature Selection Based on Manifold-Learning with Dynamic Constraint-Handling Differential Evolution, in *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*, edited by C. A. COELLO COELLO, pp. 332–337, Beijing, China, 2014.
- [47] J. VIEGAS, S. VIEIRA, J. SOUSA, and E. HENRIQUES, Metaheuristics for the 3D Bin Packing Problem in the Steel Industry, in *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*, edited by C. A. COELLO COELLO, pp. 338–343, Beijing, China, 2014.
- [48] A. GONZALEZ-PARDO and D. CAMACHO, A New CSP Graph-Based Representation to Resource-Constrained Project Scheduling Problem, in *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*, edited by C. A. COELLO COELLO, pp. 344–351, Beijing, China, 2014.
- [49] H. LIU, J. ZHOU, X. WU, and P. YUAN, Optimization Algorithm for Rectangle Packing Problem Based on Varied-Factor Genetic Algorithm and Lowest Front-Line Strategy, in *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*, edited by C. A. COELLO COELLO, pp. 352–357, Beijing, China, 2014.
- [50] S. FARZAN and G. DESOUSA, A Parallel Evolutionary Solution for the Inverse Kinematics of Generic Robotic Manipulators, in *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*, edited by C. A. COELLO COELLO, pp. 358–365, Beijing, China, 2014.
- [51] C. YUE, Z. ZEXUAN, and J. ZHEN, Feature Extraction Based on Trimmed Complex Network Representation for Metabolomic Data Classification, in *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*, edited by C. A. COELLO COELLO, pp. 366–370, Beijing, China, 2014.
- [52] K. TAMURA and K. YASUDA, Primary Study on Feedback Controlled Differential Evolution, in *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*, edited by C. A. COELLO COELLO, pp. 371–378, Beijing, China, 2014.
- [53] W. YU and L. LU, A Route Planning Strategy for the Automatic Garment Cutter Based on Genetic Algorithm, in *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*, edited by C. A. COELLO COELLO, pp. 379–386, Beijing, China, 2014.
- [54] R. E. LOPEZ-HERREJON, J. FERRER, F. CHICANO, A. EGYED, and E. ALBA, Comparative Analysis of Classical Multi-Objective Evolutionary Algorithms and Seeding Strategies for Pairwise Testing of Software Product Lines, in *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*, edited by C. A. COELLO COELLO, pp. 387–396, Beijing, China, 2014.
- [55] Y. LI, A. ZHOU, and G. ZHANG, An MOEA/D with Multiple Differential Evolution Mutation Operators, in *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*, edited by C. A. COELLO COELLO, pp. 397–404, Beijing, China, 2014.
- [56] T. BRANDS, L. WISMANS, and E. VAN BERKUM, Multi-Objective Transportation Network Design: Accelerating Search by Applying e-NSGAII, in *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*, edited by C. A. COELLO COELLO, pp. 405–412, Beijing, China, 2014.

- [57] G. ACAMPORA, H. ISHIBUCHI, and A. VITIELLO, A Comparison of Multi-Objective Evolutionary Algorithms for the Ontology Meta-Matching Problem, in *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*, edited by C. A. COELLO COELLO, pp. 413–420, Beijing, China, 2014.
- [58] A. MOHAMMADI, M. N. OMIDVAR, X. LI, and K. DEB, Integrating User Preferences and Decomposition Methods for Many-Objective Optimization, in *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*, edited by C. A. COELLO COELLO, pp. 421–428, Beijing, China, 2014.
- [59] S. Z. MARTINEZ and C. A. C. COELLO, A Multi-Objective Evolutionary Algorithm Based on Decomposition for Constrained Multi-Objective Optimization, in *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*, edited by C. A. COELLO COELLO, pp. 429–436, Beijing, China, 2014.
- [60] K. S. GEORGIEVA and A. P. ENGELBRECHT, Cooperative DynDE for Temporal Data Clustering, in *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*, edited by C. A. COELLO COELLO, pp. 437–444, Beijing, China, 2014.
- [61] J. J. LIANG, B. ZHENG, B. Y. QU, and H. SONG, Multi-Objective Differential Evolution Algorithm Based on Fast Sorting and a Novel Constraints Handling Technique, in *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*, edited by C. A. COELLO COELLO, pp. 445–450, Beijing, China, 2014.
- [62] J. AALTO and J. LAMPINEN, A Mutation and Crossover Adaptation Mechanism for Differential Evolution Algorithm, in *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*, edited by C. A. COELLO COELLO, pp. 451–458, Beijing, China, 2014.
- [63] C. SEGURA, C. A. C. COELLO, E. SEGREDO, and C. LEON, An Analysis of the Automatic Adaptation of the Crossover Rate in Differential Evolution, in *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*, edited by C. A. COELLO COELLO, pp. 459–466, Beijing, China, 2014.
- [64] A. K. QIN, K. TANG, H. PAN, and S. XIA, Self-Adaptive Differential Evolution with Local Search Chains for Real-Parameter Single-Objective Optimization, in *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*, edited by C. A. COELLO COELLO, pp. 467–474, Beijing, China, 2014.
- [65] R. AMIN, J. TANG, M. ELLEJMI, S. KIRBY, and H. A. ABBASS, Trading-Off Simulation Fidelity and Optimization Accuracy in Air-Traffic Experiments using Differential Evolution, in *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*, edited by C. A. COELLO COELLO, pp. 475–482, Beijing, China, 2014.
- [66] S. BENNETT, S. NGUYEN, and M. ZHANG, A Hybrid Discrete Particle Swarm Optimisation Method for Grid Computation Scheduling, in *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*, edited by C. A. COELLO COELLO, pp. 483–490, Beijing, China, 2014.
- [67] T. CUI, S. CHENG, and R. BAI, A Combinatorial Algorithm for the Cardinality Constrained Portfolio Optimization Problem, in *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*, edited by C. A. COELLO COELLO, pp. 491–498, Beijing, China, 2014.
- [68] N. R. SABAR and G. KENDALL, Using Harmony Search with Multiple Pitch Adjustment Operators for the Portfolio Selection Problem, in *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*, edited by C. A. COELLO COELLO, pp. 499–503, Beijing, China, 2014.
- [69] D. SMULLEN, J. GILLET, J. HERON, and S. RAHNAMAYAN, Genetic Algorithm with Self-Adaptive Mutation Controlled by Chromosome Similarity, in *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*, edited by C. A. COELLO COELLO, pp. 504–511, Beijing, China, 2014.

- [70] J. J. YU, A. Y. LAM, and V. O. LI, Chemical Reaction Optimization for the Set Covering Problem, in *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*, edited by C. A. COELLO COELLO, pp. 512–519, Beijing, China, 2014.
- [71] N. R. SABAR and G. KENDALL, Aircraft Landing Problem Using Hybrid Differential Evolution and Simple Descent Algorithm, in *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*, edited by C. A. COELLO COELLO, pp. 520–527, Beijing, China, 2014.
- [72] B. LI, R. CHIONG, and L. GONG, Search-Evasion Path Planning for Submarines Using the Artificial Bee Colony Algorithm, in *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*, edited by C. A. COELLO COELLO, pp. 528–535, Beijing, China, 2014.
- [73] E. FATNASSI, O. CHEBBI, and J. CHAOUACHI, A Bee Colony Algorithm for Routing Guided Automated Battery-Operated Electric Vehicles in Personal Rapid Transit Systems, in *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*, edited by C. A. COELLO COELLO, pp. 536–543, Beijing, China, 2014.
- [74] C. W. FONG, H. ASMUNI, W. S. LAM, B. MCCOLLUM, and P. MCMULLAN, A Novel Hybrid Approach for Curriculum Based Course Timetabling Problem, in *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*, edited by C. A. COELLO COELLO, pp. 544–550, Beijing, China, 2014.
- [75] O. BULUT and M. F. TASGETIREN, A Discrete Artificial Bee Colony Algorithm for the Economic Lot Scheduling Problem with Returns, in *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*, edited by C. A. COELLO COELLO, pp. 551–557, Beijing, China, 2014.
- [76] Y.-C. LIANG, H.-L. CHEN, and Y.-H. NIEN, Artificial Bee Colony for Workflow Scheduling, in *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*, edited by C. A. COELLO COELLO, pp. 558–564, Beijing, China, 2014.
- [77] A. MADUREIRA, B. CUNHA, and I. PEREIRA, Cooperation Mechanism For Distributed Resource Scheduling Through Artificial Bee Colony Based Self-Organized Scheduling System, in *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*, edited by C. A. COELLO COELLO, pp. 565–572, Beijing, China, 2014.
- [78] N. D. JANA, S. DAS, and J. SIL, Particle Swarm Optimization with Population Adaptation, in *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*, edited by C. A. COELLO COELLO, pp. 573–578, Beijing, China, 2014.
- [79] M. LIU, H. SINGH, and T. RAY, A Benchmark Generator for Dynamic Capacitated Arc Routing Problems, in *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*, edited by C. A. COELLO COELLO, pp. 579–586, Beijing, China, 2014.
- [80] H. YU ZHENG, L. WANG, and S. YAO WANG, A Co-Evolutionary Teaching-Learning-Based Optimization Algorithm for Stochastic RCPSP, in *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*, edited by C. A. COELLO COELLO, pp. 587–594, Beijing, China, 2014.
- [81] M. LIU, H. SINGH, and T. RAY, A Memetic Algorithm with a New Split Scheme for Solving Dynamic Capacitated Arc Routing Problems, in *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*, edited by C. A. COELLO COELLO, pp. 595–602, Beijing, China, 2014.
- [82] Z. YUAN, Y. CHEN, and R. HE, Agile Earth Observing Satellites Mission Planning Using Genetic Algorithm Based on High Quality Initial Solutions, in *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*, edited by C. A. COELLO COELLO, pp. 603–609, Beijing, China, 2014.
- [83] J. TANG and H. A. ABBASS, Behavioral Learning of Aircraft Landing Sequencing Using a Society of Probabilistic Finite State Machines, in *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*, edited by C. A. COELLO COELLO, pp. 610–617, Beijing, China, 2014.

- [84] R. HUNT, M. JOHNSTON, and M. ZHANG, Evolving Machine-Specific Dispatching Rules for a Two-Machine Job Shop using Genetic Programming, in *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*, edited by C. A. COELLO COELLO, pp. 618–625, Beijing, China, 2014.
- [85] X. ZHENG, L. WANG, and S. WANG, An Enhanced Non-Dominated Sorting Based Fruit Fly Optimization Algorithm for Solving Environmental Economic Dispatch Problem, in *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*, edited by C. A. COELLO COELLO, pp. 626–633, Beijing, China, 2014.
- [86] B. NIU, T. XIE, Q. DUAN, and L. TAN, Particle Swarm Optimization for Integrated Yard Truck Scheduling and Storage Allocation Problem, in *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*, edited by C. A. COELLO COELLO, pp. 634–639, Beijing, China, 2014.
- [87] T. LIU, C. SUN, J. ZENG, and Y. JIN, Similarity- and Reliability-Assisted Fitness Estimation for Particle Swarm Optimization of Expensive Problems, in *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*, edited by C. A. COELLO COELLO, pp. 640–646, Beijing, China, 2014.
- [88] B. NIU and Y. BI, Binary Bacterial Foraging Optimization for Solving 0/1 Knapsack Problem, in *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*, edited by C. A. COELLO COELLO, pp. 647–652, Beijing, China, 2014.
- [89] D. KIZILAY, M. F. TASGETIREN, O. BULUT, and B. BOSTAN, A Discrete Artificial Bee Colony Algorithm for the Parallel Machine Scheduling Problem in DYO Painting Company, in *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*, edited by C. A. COELLO COELLO, pp. 653–660, Beijing, China, 2014.
- [90] F. WANG, Y. GAO, and Z. ZHU, Locality-Sensitive Hashing Based Multiobjective Memetic Algorithm for Dynamic Pickup and Delivery Problems, in *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*, edited by C. A. COELLO COELLO, pp. 661–666, Beijing, China, 2014.
- [91] J. WU, L. YUAN, Q. GONG, W. MA, J. MA, and Y. LI, A Compression Optimization Algorithm for Community Detection, in *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*, edited by C. A. COELLO COELLO, pp. 667–671, Beijing, China, 2014.
- [92] S. WANG, M. GONG, L. MA, Q. CAI, and L. JIAO, Decomposition Based Multiobjective Evolutionary Algorithm for Collaborative Filtering Recommender Systems, in *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*, edited by C. A. COELLO COELLO, pp. 672–679, Beijing, China, 2014.
- [93] C. MU, J. XIE, R. LIU, and L. JIAO, A Memetic Algorithm Using Local Structural Information for Detecting Community Structure in Complex Networks, in *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*, edited by C. A. COELLO COELLO, pp. 680–686, Beijing, China, 2014.
- [94] X. SONG, J. JI, C. YANG, and X. ZHANG, Ant Colony Clustering Based on Sampling for Community Detection, in *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*, edited by C. A. COELLO COELLO, pp. 687–692, Beijing, China, 2014.
- [95] L. KUANG, Z. ZHAO, F. WANG, Y. LI, F. YU, and Z. LI, A Differential Evolution Box-Covering Algorithm for Fractal Dimension on Complex Networks, in *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*, edited by C. A. COELLO COELLO, pp. 693–699, Beijing, China, 2014.
- [96] C. MU, J. ZHANG, and L. JIAO, An Intelligent Ant Colony Optimization for Community Detection in Complex Networks, in *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*, edited by C. A. COELLO COELLO, pp. 700–706, Beijing, China, 2014.

- [97] Y. ZHANG, G. DAI, L. PENG, and M. WANG, HMOEDA\_LLE: A Hybrid Multi-Objective Estimation of Distribution Algorithm Combining Locally Linear Embedding, in *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*, edited by C. A. COELLO COELLO, pp. 707–714, Beijing, China, 2014.
- [98] B. LIU, Q. CHEN, Q. ZHANG, G. GIELEN, and V. GROUT, Behavioral Study of the Surrogate Model-Aware Evolutionary Search Framework, in *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*, edited by C. A. COELLO COELLO, pp. 715–722, Beijing, China, 2014.
- [99] H. ZHANG, S. SONG, A. ZHOU, and X.-Z. GAO, A Clustering Based Multiobjective Evolutionary Algorithm, in *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*, edited by C. A. COELLO COELLO, pp. 723–730, Beijing, China, 2014.
- [100] X. LI, W. HE, and K. HIRASAWA, Creating Stock Trading Rules Using Graph-Based Estimation of Distribution Algorithm, in *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*, edited by C. A. COELLO COELLO, pp. 731–738, Beijing, China, 2014.
- [101] P.-K. WONG, L.-Y. LO, M.-L. WONG, and K.-S. LEUNG, Grammar Based Genetic Programming with Bayesian Network, in *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*, edited by C. A. COELLO COELLO, pp. 739–746, Beijing, China, 2014.
- [102] B. KRAWCZYK, I. TRIGUERO, S. GARCIA, M. WOZNIAK, and F. HERRERA, A First Attempt on Evolutionary Prototype Reduction for Nearest Neighbor One-Class Classification, in *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*, edited by C. A. COELLO COELLO, pp. 747–753, Beijing, China, 2014.
- [103] R. LIU, X. NIU, and L. JIAO, A Multi-Swarm Particle Swarm Optimization with Orthogonal Learning for Locating and Tracking Multiple Optima in Dynamic Environments, in *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*, edited by C. A. COELLO COELLO, pp. 754–761, Beijing, China, 2014.
- [104] J. LIU, Y. HE, and Y. HU, Regression Ensemble with PSO Algorithms Based Fuzzy Integral, in *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*, edited by C. A. COELLO COELLO, pp. 762–768, Beijing, China, 2014.
- [105] S. JIANG and S. YANG, An Improved Quantum-Behaved Particle Swarm Optimization Based on Linear Interpolation, in *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*, edited by C. A. COELLO COELLO, pp. 769–775, Beijing, China, 2014.
- [106] H. OH and Y. JIN, Evolving Hierarchical Gene Regulatory Networks for Morphogenetic Pattern Formation of Swarm Robotics, in *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*, edited by C. A. COELLO COELLO, pp. 776–783, Beijing, China, 2014.
- [107] Z. ZHENG, J. LI, J. LI, and Y. TAN, Avoiding Decoys in Multiple Targets Searching Problems Using Swarm Robotics, in *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*, edited by C. A. COELLO COELLO, pp. 784–791, Beijing, China, 2014.
- [108] J. LIU, B. GEN CAI, and J. WANG, Particle Swarm Optimization for Integrity Monitoring in BDS/DR Based Railway Train Positioning, in *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*, edited by C. A. COELLO COELLO, pp. 792–797, Beijing, China, 2014.
- [109] X. LI, W. HE, and K. HIRASAWA, Learning and Evolution of Genetic Network Programming with Knowledge Transfer, in *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*, edited by C. A. COELLO COELLO, pp. 798–805, Beijing, China, 2014.
- [110] M. YANG, Z. CAI, C. LI, and J. GUAN, An Improved JADE Algorithm for Global Optimization, in *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*, edited by C. A. COELLO COELLO, pp. 806–812, Beijing, China, 2014.



- [111] S. FENG, S. TAN, and J. LU, Characterizing the Impact of Selection on the Evolution of Cooperation in Complex Networks, in *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*, edited by C. A. COELLO COELLO, pp. 813–818, Beijing, China, 2014.
- [112] M. YU, X. ZUO, and C. C. MURRAY, A Tabu Search Heuristic for the Single Row Layout Problem with Shared Clearances, in *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*, edited by C. A. COELLO COELLO, pp. 819–825, Beijing, China, 2014.
- [113] C. GAO, T. WEISE, and J. LI, A Weighting-Based Local Search Heuristic Algorithm for the Set Covering Problem, in *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*, edited by C. A. COELLO COELLO, pp. 826–831, Beijing, China, 2014.
- [114] M. SCHLUETER and M. MUNETOMO, Parallelization for Space Trajectory Optimization, in *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*, edited by C. A. COELLO COELLO, pp. 832–839, Beijing, China, 2014.
- [115] Q. JIANG, L. WANG, X. HEI, R. FEI, D. YANG, F. ZOU, H. LI, and Z. CAO, Optimal Approximation of Stable Linear Systems with a Novel and Efficient Optimization Algorithm, in *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*, edited by C. A. COELLO COELLO, pp. 840–844, Beijing, China, 2014.
- [116] A. BOLUFE-ROHLER and S. CHEN, Extending Minimum Population Search Towards Large Scale Global Optimization, in *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*, edited by C. A. COELLO COELLO, pp. 845–852, Beijing, China, 2014.
- [117] B. ZHANG, J. HUA DUAN, H. YAN SANG, J. QING LI, and H. YAN, A New Penalty Function Method for Constrained Optimization Using Harmony Search Algorithm, in *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*, edited by C. A. COELLO COELLO, pp. 853–859, Beijing, China, 2014.
- [118] D. DAVENDRA, R. SENKERIK, I. ZELINKA, and M. PLUHACEK, Scatter Search Algorithm with Chaos Based Stochasticity, in *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*, edited by C. A. COELLO COELLO, pp. 860–866, Beijing, China, 2014.
- [119] S. AKHMEDOVA and E. SEMENKIN, Co-Operation of Biology Related Algorithms Meta-Heuristic in ANN-Based Classifiers Design, in *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*, edited by C. A. COELLO COELLO, pp. 867–872, Beijing, China, 2014.
- [120] D. FELIPE, E. F. G. GOLDBARG, and M. C. GOLDBARG, Scientific Algorithms for the Car Renter Salesman Problem, in *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*, edited by C. A. COELLO COELLO, pp. 873–879, Beijing, China, 2014.
- [121] S. WATANABE, Y. CHIBA, and M. KANAZAKI, A Proposal on Analysis Support System Based on Association Rule Analysis for Non-Dominated Solutions, in *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*, edited by C. A. COELLO COELLO, pp. 880–887, Beijing, China, 2014.
- [122] X. ZHOU, W. PENG, and B. YANG, GEAS: A GA-ES-Mixed Algorithm for Parameterized Optimization Problems - Using CLS Problem as an Example, in *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*, edited by C. A. COELLO COELLO, pp. 888–894, Beijing, China, 2014.
- [123] M. ALVARES, F. BUARQUE, and T. MARWALA, Application of Computational Intelligence for Source Code Classification, in *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*, edited by C. A. COELLO COELLO, pp. 895–902, Beijing, China, 2014.
- [124] X.-B. HU and M. S. LEESON, Genetic Algorithm with Spatial Receding Horizon Control for the Optimization of Facility Locations, in *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*, edited by C. A. COELLO COELLO, pp. 903–909, Beijing, China, 2014.

- [125] J. REPS, U. AICKELIN, and J. GARIBALDI, Tuning a Multiple Classifier System for Side Effect Discovery Using Genetic Algorithms, in *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*, edited by C. A. COELLO COELLO, pp. 910–917, Beijing, China, 2014.
- [126] J. ZHANG, C. ZHANG, T. CHU, and M. CAO, Cooperation with Potential Leaders in Evolutionary Game Study of Networking Agents, in *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*, edited by C. A. COELLO COELLO, pp. 918–923, Beijing, China, 2014.
- [127] P. DUAN, S. XIONG, Z. HU, Q. CHEN, and X. ZHONG, Multi-Objective Optimization Model Based on Steady Degree for Teaching Building Evacuation, in *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*, edited by C. A. COELLO COELLO, pp. 924–929, Beijing, China, 2014.
- [128] G. BELLO-ORGAS and D. CAMACHO, Evolutionary Clustering Algorithm for Community Detection Using Graph-Based Information, in *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*, edited by C. A. COELLO COELLO, pp. 930–937, Beijing, China, 2014.
- [129] M. NISHIYAMA and H. IBA, Applying Conversion Matrix to Robots for Imitating Motion Using Genetic Algorithms, in *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*, edited by C. A. COELLO COELLO, pp. 938–944, Beijing, China, 2014.
- [130] F. MANFRINI, H. BARBOSA, and H. BERNADINO, Optimization of Combinational Logic Circuits Through Decomposition of Truth Table and Evolution of Sub-Circuits, in *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*, edited by C. A. COELLO COELLO, pp. 945–950, Beijing, China, 2014.
- [131] B. H. T. THANH, L. T. VAN, H. N. XUAN, A. N. DUC, and T. P. MANH, Reordering Dimensions for Radial Visualization of Multidimensional Data - A Genetic Algorithms Approach, in *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*, edited by C. A. COELLO COELLO, pp. 951–958, Beijing, China, 2014.
- [132] E. Q. SILVA, C. G. CAMILO-JUNIOR, L. M. L. PASCOAL, and T. C. ROSA, An Evolutionary Approach for Combining Results of Recommender Systems Techniques Based on Collaborative Filtering, in *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*, edited by C. A. COELLO COELLO, pp. 959–966, Beijing, China, 2014.
- [133] C. BU, W. LUO, and T. ZHU, Differential Evolution with a Species-Based Repair Strategy for Constrained Optimization, in *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*, edited by C. A. COELLO COELLO, pp. 967–974, Beijing, China, 2014.
- [134] M.-Y. AMECA-ALDUCIN, E. MEZURA-MONTES, and N. CRUZ-RAMIREZ, Differential Evolution with Combined Variants for Dynamic Constrained Optimization, in *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*, edited by C. A. COELLO COELLO, pp. 975–982, Beijing, China, 2014.
- [135] H. SINGH, M. ASAFUDDOULA, and T. RAY, Solving Problems with a Mix of Hard and Soft Constraints Using Modified Infeasibility Driven Evolutionary Algorithm (IDEA-M), in *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*, edited by C. A. COELLO COELLO, pp. 983–990, Beijing, China, 2014.
- [136] N. HAMZA, R. SARKER, and D. ESSAM, Differential Evolution with a Constraint Consensus Mutation for Solving Optimization Problems, in *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*, edited by C. A. COELLO COELLO, pp. 991–997, Beijing, China, 2014.
- [137] D. POOLE, C. ALLEN, and T. RENDALL, Constraint Handling in Agent-Based Optimization by Independent Sub-Swarms, in *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*, edited by C. A. COELLO COELLO, pp. 998–1005, Beijing, China, 2014.

- [138] S. ELSAYED, R. SARKER, and D. ESSAM, United Multi-Operator Evolutionary Algorithms, in *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*, edited by C. A. COELLO COELLO, pp. 1006–1013, Beijing, China, 2014.
- [139] M. S. NOBILE, A. G. CITROLO, P. CAZZANIGA, D. BESOZZI, and G. MAURI, A Memetic Hybrid Method for the Molecular Distance Geometry Problem with Incomplete Information, in *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*, edited by C. A. COELLO COELLO, pp. 1014–1021, Beijing, China, 2014.
- [140] J. A. THOMPSON and C. B. CONGDON, GAMI-CRM: Using De Novo Motif Inference to Detect Cis-Regulatory Modules, in *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*, edited by C. A. COELLO COELLO, pp. 1022–1029, Beijing, China, 2014.
- [141] W. PANG and G. COGHILL, An Immune Network Approach to Learning Qualitative Models of Biological Pathways, in *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*, edited by C. A. COELLO COELLO, pp. 1030–1037, Beijing, China, 2014.
- [142] Y. CHEN, Y. SHANG, and D. XU, Multi-Dimensional Scaling and MODELLER-Based Evolutionary Algorithms for Protein Model Refinement, in *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*, edited by C. A. COELLO COELLO, pp. 1038–1045, Beijing, China, 2014.
- [143] A. CHOWDHURY, P. RAKSHIT, A. KONAR, and A. NAGAR, A Modified Bat Algorithm to Predict Protein-Protein Interaction Network, in *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*, edited by C. A. COELLO COELLO, pp. 1046–1053, Beijing, China, 2014.
- [144] L. PETERSON, Evolutionary Algorithms Applied to Likelihood Function Maximization During Poisson, Logistic, and Cox Proportional Hazards Regression Analysis, in *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*, edited by C. A. COELLO COELLO, pp. 1054–1061, Beijing, China, 2014.
- [145] S. ELSAYED, T. RAY, and R. SARKER, A Surrogate-Assisted Differential Evolution Algorithm with Dynamic Parameters Selection for Solving Expensive Optimization Problems, in *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*, edited by C. A. COELLO COELLO, pp. 1062–1068, Beijing, China, 2014.
- [146] H. SINGH, A. ISAACS, and T. RAY, A Hybrid Surrogate Based Algorithm (HSBA) to Solve Computationally Expensive Optimization Problems, in *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*, edited by C. A. COELLO COELLO, pp. 1069–1075, Beijing, China, 2014.
- [147] S. BISWAS, M. A. EITA, S. DAS, and A. V. VASILAKOS, Evaluating the Performance of Group Counseling Optimizer on CEC 2014 Problems for Computational Expensive Optimization, in *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*, edited by C. A. COELLO COELLO, pp. 1076–1083, Beijing, China, 2014.
- [148] I. ERLICH, J. L. RUEDA, and S. WILDENHUES, Solving the IEEE-CEC 2014 Expensive Optimization Test Problems by Using Single-Particle MVMO, in *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*, edited by C. A. COELLO COELLO, pp. 1084–1091, Beijing, China, 2014.
- [149] T. KRITYAKIERNE, J. MUELLER, and C. SHOEMAKER, SO-MODS: Optimization for High Dimensional Computationally Expensive Multi-Modal Functions with Surrogate Search, in *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*, edited by C. A. COELLO COELLO, pp. 1092–1099, Beijing, China, 2014.
- [150] A. ROSALES-PEREZ, H. J. ESCALANTE, C. A. C. COELLO, J. A. GONZALEZ, and C. A. REYES-GARCIA, An Evolutionary Multi-Objective Approach for Prototype Generation, in *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*, edited by C. A. COELLO COELLO, pp. 1100–1107, Beijing, China, 2014.

- [151] P. CHENG, J.-S. PAN, and C.-W. LIN, Use EMO to Protect Sensitive Knowledge in Association Rule Mining by Removing Items, in *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*, edited by C. A. COELLO COELLO, pp. 1108–1115, Beijing, China, 2014.
- [152] E. DEBIE, K. SHAFI, K. MERRICK, and C. LOKAN, An Online Evolutionary Rule Learning Algorithm with Incremental Attribute Discretization, in *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*, edited by C. A. COELLO COELLO, pp. 1116–1123, Beijing, China, 2014.
- [153] L. YEXING, C. XINYE, F. ZHUN, and Z. QINGFU, An External Archive Guided Multiobjective Evolutionary Approach Based on Decomposition for Continuous Optimization, in *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*, edited by C. A. COELLO COELLO, pp. 1124–1130, Beijing, China, 2014.
- [154] F. BOURENNANI, S. RAHNAMAYAN, and G. F. NATERER, Multi-Objective Differential Evolution with Leadership Enhancement (MODEL), in *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*, edited by C. A. COELLO COELLO, pp. 1131–1138, Beijing, China, 2014.
- [155] S. BANDARU, A. NG, and K. DEB, On the Performance of Classification Algorithms for Learning Pareto-Dominance Relations, in *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*, edited by C. A. COELLO COELLO, pp. 1139–1146, Beijing, China, 2014.
- [156] R. C. PURSHOUSE, K. DEB, M. M. MANSOR, S. MOSTAGHIM, and R. WANG, A Review of Hybrid Evolutionary Multiple Criteria Decision Making Methods, in *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*, edited by C. A. COELLO COELLO, pp. 1147–1154, Beijing, China, 2014.
- [157] A. ALHINDI and Q. ZHANG, MOEA/D with Tabu Search for Multiobjective Permutation Flow Shop Scheduling Problems, in *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*, edited by C. A. COELLO COELLO, pp. 1155–1164, Beijing, China, 2014.
- [158] Y. MING CHEUNG and F. GU, Online Objective Reduction for Many-Objective Optimization Problems, in *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*, edited by C. A. COELLO COELLO, pp. 1165–1171, Beijing, China, 2014.
- [159] S. B. GEE and K. C. TAN, Diversity Preservation with Hybrid Recombination for Evolutionary Multiobjective Optimization, in *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*, edited by C. A. COELLO COELLO, pp. 1172–1178, Beijing, China, 2014.
- [160] S. ALICINO and M. VASILE, An Evolutionary Approach to the Solution of Multi-Objective Min-Max Problems in Evidence-Based Robust Optimization, in *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*, edited by C. A. COELLO COELLO, pp. 1179–1186, Beijing, China, 2014.
- [161] C. LUO, K. SHIMOYAMA, and S. OBAYASHI, Kriging Model Based Many-Objective Optimization with Efficient Calculation of Expected Hypervolume Improvement, in *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*, edited by C. A. COELLO COELLO, pp. 1187–1194, Beijing, China, 2014.
- [162] T. SUDO, Y. NOJIMA, and H. ISHIBUCHI, Effects of Ensemble Action Selection on the Evolution of Iterated Prisoner’s Dilemma Game Strategies, in *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*, edited by C. A. COELLO COELLO, pp. 1195–1201, Beijing, China, 2014.
- [163] J. TSANG, The Structure of a Probabilistic 2-State Finite Transducer Representation for Prisoner’s Dilemma, in *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*, edited by C. A. COELLO COELLO, pp. 1202–1209, Beijing, China, 2014.
- [164] C. SCHEEPERS and A. ENGELBRECHT, Competitive Coevolutionary Training of Simple Soccer Agents from Zero Knowledge, in *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*, edited by C. A. COELLO COELLO, pp. 1210–1217, Beijing, China, 2014.

- [165] G. GREENWOOD, S. ELSAYED, R. SARKER, and H. ABBASS, Online Generation of Trajectories for Autonomous Vehicles Using a Multi-Agent System, in *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*, edited by C. A. COELLO COELLO, pp. 1218–1224, Beijing, China, 2014.
- [166] S.-M. LEE and H. MYUNG, A Cooperative Coevolutionary Approach to Multi-Robot Formation Control, in *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*, edited by C. A. COELLO COELLO, pp. 1225–1231, Beijing, China, 2014.
- [167] M. LI and C. O’RIORDAN, Graph Centrality Measures and the Robustness of Cooperation, in *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*, edited by C. A. COELLO COELLO, pp. 1232–1237, Beijing, China, 2014.
- [168] S. H. LING, P. P. SAN, H. K. LAM, and H. NGUYEN, Non-Invasive Detection of Hypoglycemic Episodes in Type1 Diabetes Using Intelligent Hybrid Rough Neural System, in *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*, edited by C. A. COELLO COELLO, pp. 1238–1242, Beijing, China, 2014.
- [169] K. Y. CHAN, N. RAJAKARUNA, C. RATHNAYAKE, and I. MURRAY, Image Deblurring Using a Hybrid Optimization Algorithm, in *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*, edited by C. A. COELLO COELLO, pp. 1243–1249, Beijing, China, 2014.
- [170] M. YUWONO, S. W. SU, B. D. MOULTON, Y. GUO, and H. T. NGUYEN, An Algorithm for Scalable Clustering: Ensemble Rapid Centroid Estimation, in *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*, edited by C. A. COELLO COELLO, pp. 1250–1257, Beijing, China, 2014.
- [171] J.-C. YU and Z.-F. LIANG, Evolutionary Regional Network Modeling for Efficient Engineering Optimization, in *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*, edited by C. A. COELLO COELLO, pp. 1258–1264, Beijing, China, 2014.
- [172] F. LI, Y. ZHANG, and H. LI, Quantum Bacterial Foraging Optimization Algorithm, in *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*, edited by C. A. COELLO COELLO, pp. 1265–1272, Beijing, China, 2014.
- [173] W.-Y. LIU and C.-C. LIN, A Cultural Algorithm for Spatial Forest Harvest Scheduling, in *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*, edited by C. A. COELLO COELLO, pp. 1273–1276, Beijing, China, 2014.
- [174] S. YE, G. DAI, and L. PENG, A Hybrid Adaptive Coevolutionary Differential Evolution Algorithm for Large-Scale Optimization, in *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*, edited by C. A. COELLO COELLO, pp. 1277–1284, Beijing, China, 2014.
- [175] S. MAHDAVI, M. E. SHIRI, and S. RAHNAMAYAN, Cooperative Co-Evolution with a New Decomposition Method for Large-Scale Optimization, in *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*, edited by C. A. COELLO COELLO, pp. 1285–1292, Beijing, China, 2014.
- [176] F. WEI, Y. WANG, and T. ZONG, Variable Grouping Based Differential Evolution Using an Auxiliary Function for Large Scale Global Optimization, in *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*, edited by C. A. COELLO COELLO, pp. 1293–1298, Beijing, China, 2014.
- [177] S. WANG, X. ZUO, and X. ZHAO, Solving Dynamic Double-Row Layout Problem via an Improved Simulated Annealing Algorithm, in *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*, edited by C. A. COELLO COELLO, pp. 1299–1304, Beijing, China, 2014.

- [178] M. N. OMIDVAR, Y. MEI, and X. LI, Effective Decomposition of Large-Scale Separable Continuous Functions for Cooperative Co-Evolutionary Algorithms, in *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*, edited by C. A. COELLO COELLO, pp. 1305–1312, Beijing, China, 2014.
- [179] Y. MEI, X. LI, and X. YAO, Variable Neighborhood Decomposition for Large Scale Capacitated Arc Routing Problem, in *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*, edited by C. A. COELLO COELLO, pp. 1313–1320, Beijing, China, 2014.
- [180] Q. NI, C. CAO, and X. YIN, A New Dynamic Probabilistic Particle Swarm Optimization with Dynamic Random Population Topology, in *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*, edited by C. A. COELLO COELLO, pp. 1321–1327, Beijing, China, 2014.
- [181] J. GU and X. SHI, An Adaptive PSO Based on Motivation Mechanism and Acceleration Restraint Operator, in *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*, edited by C. A. COELLO COELLO, pp. 1328–1336, Beijing, China, 2014.
- [182] W. ZHANG, Y. GAO, and C. ZHANG, The Enhanced Vector of Convergence for Particle Swarm Optimization Based on Constrict Factor, in *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*, edited by C. A. COELLO COELLO, pp. 1337–1342, Beijing, China, 2014.
- [183] X. XU, L. LU, P. HE, J. DING, and Y. JU, Evolutionary Semi-Supervised Learning with Swarm Intelligence, in *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*, edited by C. A. COELLO COELLO, pp. 1343–1350, Beijing, China, 2014.
- [184] J. ZHANG, X. ZHU, W. WANG, and J. YAO, A Fast Restarting Particle Swarm Optimizer, in *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*, edited by C. A. COELLO COELLO, pp. 1351–1358, Beijing, China, 2014.
- [185] Z. LI, J. ZHANG, W. WANG, and J. YAO, Dimensions Cooperate by Euclidean Metric in Particle Swarm Optimization, in *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*, edited by C. A. COELLO COELLO, pp. 1359–1366, Beijing, China, 2014.
- [186] Y. LI, X. TIAN, L. JIAO, and X. ZHANG, Biclustering of Gene Expression Data Using Particle Swarm Optimization Integrated with Pattern-Driven Local Search, in *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*, edited by C. A. COELLO COELLO, pp. 1367–1373, Beijing, China, 2014.
- [187] L. SHUAI, Z. WANG, and T. GONG, Simulating the Coevolution of Language and Long-Term Memory, in *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*, edited by C. A. COELLO COELLO, pp. 1374–1381, Beijing, China, 2014.
- [188] G. CHEN, W. LUO, and T. ZHU, Evolutionary Clustering with Differential Evolution, in *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*, edited by C. A. COELLO COELLO, pp. 1382–1389, Beijing, China, 2014.
- [189] M. R. AMEERUDDEN and H. RUGHOOPUTH, Smart Hybrid Genetic Algorithms in the Bandwidth Optimization of a PIFA Antenna, in *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*, edited by C. A. COELLO COELLO, pp. 1390–1396, Beijing, China, 2014.
- [190] S.-W. CHEN and T.-C. CHIANG, Evolutionary Many-Objective Optimization by MO-NSGA-II with Enhanced Mating Selection, in *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*, edited by C. A. COELLO COELLO, pp. 1397–1404, Beijing, China, 2014.
- [191] Y. LUO, S. HUANG, and J. HU, A Niching Two-Layered Differential Evolution with Self-Adaptive Control Parameters, in *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*, edited by C. A. COELLO COELLO, pp. 1405–1412, Beijing, China, 2014.

- [192] V. LATTARULO, B. A. LINDLEY, and G. T. PARKS, Application of the MOAA for the Optimization of CORAIL Assemblies for Nuclear Reactors, in *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*, edited by C. A. COELLO COELLO, pp. 1413–1420, Beijing, China, 2014.
- [193] P. POP and C. CHIRA, A Hybrid Approach Based on Genetic Algorithms for Solving the Clustered Vehicle Routing Problem, in *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*, edited by C. A. COELLO COELLO, pp. 1421–1426, Beijing, China, 2014.
- [194] J. MONTGOMERY, S. CHEN, and Y. GONZALEZ-FERNANDEZ, Identifying and Exploiting the Scale of a Search Space in Differential Evolution, in *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*, edited by C. A. COELLO COELLO, pp. 1427–1434, Beijing, China, 2014.
- [195] A. KSIBI, A. B. AMMAR, and C. B. AMAR, Enhancing Relevance Re-Ranking Using Nature-Inspired Meta-Heuristic Optimization Algorithms, in *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*, edited by C. A. COELLO COELLO, pp. 1435–1442, Beijing, China, 2014.
- [196] P. KROMER, I. ZELINKA, and V. SNASEL, Can Deterministic Chaos Improve Differential Evolution for the Linear Ordering Problem?, in *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*, edited by C. A. COELLO COELLO, pp. 1443–1448, Beijing, China, 2014.
- [197] J. ZHANG and D. MARINGER, Two Parameter Update Schemes for Recurrent Reinforcement Learning, in *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*, edited by C. A. COELLO COELLO, pp. 1449–1453, Beijing, China, 2014.
- [198] Z. LI, Z. SHANG, J. J. LIANG, and B. Y. QU, Differential Evolution Strategy Based on the Constraint of Fitness Values Classification, in *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*, edited by C. A. COELLO COELLO, pp. 1454–1460, Beijing, China, 2014.
- [199] S. HTIOUECH and S. BOUAMAMA, A Lagrangian and Surrogate Information Enhanced Tabu Search for the MMKP, in *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*, edited by C. A. COELLO COELLO, pp. 1461–1468, Beijing, China, 2014.
- [200] P. YANG, K. TANG, and J. A. LOZANO, Estimation of Distribution Algorithms Based Unmanned Aerial Vehicle Path Planner Using a New Coordinate, in *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*, edited by C. A. COELLO COELLO, pp. 1469–1476, Beijing, China, 2014.
- [201] H. WU, F. ZHANG, and L. WU, An Uncultivated Wolf Pack Algorithm for High-Dimensional Functions and Its Application in Parameters Optimization of PID Controller, in *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*, edited by C. A. COELLO COELLO, pp. 1477–1482, Beijing, China, 2014.
- [202] L. MARCHETTI, V. MANCA, and I. ZELINKA, On the Inference of Deterministic Chaos: Evolutionary Algorithm and Metabolic P System Approaches, in *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*, edited by C. A. COELLO COELLO, pp. 1483–1489, Beijing, China, 2014.
- [203] M. YANG, R. LI, and T. CHU, A New Method and Application for Controlling the Steady-State Probability Distributions of Probabilistic Boolean Networks, in *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*, edited by C. A. COELLO COELLO, pp. 1490–1495, Beijing, China, 2014.
- [204] T. HE and K. C. CHAN, Evolutionary Community Detection in Social Networks, in *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*, edited by C. A. COELLO COELLO, pp. 1496–1503, Beijing, China, 2014.

- [205] M. O'NEILL, M. NICOLAU, and A. AGAPITOS, Experiments in Program Synthesis with Grammatical Evolution: A Focus on Integer Sorting, in *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*, edited by C. A. COELLO COELLO, pp. 1504–1511, Beijing, China, 2014.
- [206] L. M. L. PASCOAL, C. G. CAMILO-JUNIOR, E. Q. SILVA, and T. C. ROSA, A Social-Evolutionary Approach to Compose a Similarity Function Used on Event Recommendation, in *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*, edited by C. A. COELLO COELLO, pp. 1512–1519, Beijing, China, 2014.
- [207] O. MATEI, D. CONTRAS, and P. POP, Applying Evolutionary Computation for Evolving Ontologies, in *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*, edited by C. A. COELLO COELLO, pp. 1520–1527, Beijing, China, 2014.
- [208] Y. GUO, M. CHEN, H. FU, and Y. LIU, Find Robust Solutions Over Time by Two-Layer Multi-Objective Optimization Method, in *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*, edited by C. A. COELLO COELLO, pp. 1528–1535, Beijing, China, 2014.
- [209] S. HUI and N. S. PONNUTHURAI, Niching-Based Self-adaptive Ensemble DE with MMTS for Solving Dynamic Optimization Problems, in *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*, edited by C. A. COELLO COELLO, pp. 1536–1541, Beijing, China, 2014.
- [210] M. MAVROVOUNIOTIS and S. YANG, Interactive and Non-Interactive Hybrid Immigrants Schemes for Ant Algorithms in Dynamic Environments, in *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*, edited by C. A. COELLO COELLO, pp. 1542–1549, Beijing, China, 2014.
- [211] H. FU, P. LEWIS, B. SENDHOFF, K. TANG, and X. YAO, What Are Dynamic Optimization Problems?, in *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*, edited by C. A. COELLO COELLO, pp. 1550–1557, Beijing, China, 2014.
- [212] C. K. CHOW and S. Y. YUEN, A Dynamic History-Driven Evolutionary Algorithm, in *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*, edited by C. A. COELLO COELLO, pp. 1558–1564, Beijing, China, 2014.
- [213] Z.-H. ZHAN and J. ZHANG, Adaptive Particle Swarm Optimization with Variable Relocation for Dynamic Optimization Problems, in *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*, edited by C. A. COELLO COELLO, pp. 1565–1570, Beijing, China, 2014.
- [214] P.-C. CHANG and X. HE, Macroscopic Indeterminacy Swarm Optimization (MISO) Algorithm for Real-Parameter Search, in *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*, edited by C. A. COELLO COELLO, pp. 1571–1578, Beijing, China, 2014.
- [215] Y. JIANG, Z. YANG, Z. HAO, Y. WANG, and H. HE, A Cooperative Honey Bee Mating Algorithm and Its Application in Multi-Threshold Image Segmentation, in *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*, edited by C. A. COELLO COELLO, pp. 1579–1585, Beijing, China, 2014.
- [216] C.-H. CHOU, H. CHIA-LING, and P.-C. CHANG, A RFID Network Design Methodology for Decision Problem in Health Care, in *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*, edited by C. A. COELLO COELLO, pp. 1586–1592, Beijing, China, 2014.
- [217] W. SHANG-CHIA, Y. WEI-CHANG, and Y. TSO-JUNG, Pareto Simplified Swarm Optimization for Grid-Computing Reliability and Service Makspan in Grid-RMS, in *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*, edited by C. A. COELLO COELLO, pp. 1593–1600, Beijing, China, 2014.
- [218] X. XU and M. TANG, A New Grouping Genetic Algorithm for the MapReduce Placement Problem in Cloud Computing, in *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*, edited by C. A. COELLO COELLO, pp. 1601–1608, Beijing, China, 2014.



- [219] Z. M. YUSOH and M. TANG, Composite SaaS Scaling in Cloud Computing Using a Hybrid Genetic Algorithm, in *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*, edited by C. A. COELLO COELLO, pp. 1609–1616, Beijing, China, 2014.
- [220] C. XU, H. HUANG, and S. YE, A Differential Evolution with Replacement Strategy for Real-Parameter Numerical Optimization, in *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*, edited by C. A. COELLO COELLO, pp. 1617–1624, Beijing, China, 2014.
- [221] I. ERLICH, J. L. RUEDA, and S. WILDENHUES, Evaluating the Mean-Variance Mapping Optimization on the IEEE-CEC 2014 Test Suite, in *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*, edited by C. A. COELLO COELLO, pp. 1625–1632, Beijing, China, 2014.
- [222] D. MOLINA, B. LACROIX, and F. HERRERA, Influence of Regions on the Memetic Algorithm for the Special Session on Real-Parameter Single Objective Optimisation, in *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*, edited by C. A. COELLO COELLO, pp. 1633–1640, Beijing, China, 2014.
- [223] R. GARDEN and A. ENGELBRECHT, Analysis and Classification of Optimisation Benchmark Functions and Benchmark Suites, in *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*, edited by C. A. COELLO COELLO, pp. 1641–1649, Beijing, China, 2014.
- [224] S. ELSAYED, R. SARKER, D. ESSAM, and N. HAMZA, Testing United Multi-Operator Evolutionary Algorithms on the CEC2014 Real-Parameter Numerical Optimization, in *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*, edited by C. A. COELLO COELLO, pp. 1650–1657, Beijing, China, 2014.
- [225] R. TANABE and A. FUKUNAGA, Improving the Search Performance of SHADE Using Linear Population Size Reduction, in *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*, edited by C. A. COELLO COELLO, pp. 1658–1665, Beijing, China, 2014.
- [226] S. K. K. SANTU, M. M. RAHMAN, M. M. ISLAM, and K. MURASE, Towards Better Generalization in Pittsburgh Learning Classifier Systems, in *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*, edited by C. A. COELLO COELLO, pp. 1666–1673, Beijing, China, 2014.
- [227] S. SCARDAPANE, D. COMMINIELLO, M. SCARPINITI, and A. UNCINI, GP-Based Kernel Evolution for L2-Regularization Networks, in *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*, edited by C. A. COELLO COELLO, pp. 1674–1681, Beijing, China, 2014.
- [228] X. LI, W. HE, and K. HIRASAWA, Generalized Classifier System: Evolving Classifiers with Cyclic Conditions, in *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*, edited by C. A. COELLO COELLO, pp. 1682–1689, Beijing, China, 2014.
- [229] P.-M. LEE and T.-C. HSIAO, Applying LCS to Affective Images Classification in Spatial-Frequency Domain, in *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*, edited by C. A. COELLO COELLO, pp. 1690–1697, Beijing, China, 2014.
- [230] T. T. NGUYEN, A. W.-C. LIEW, M. T. TRAN, X. C. PHAM, and M. P. NGUYEN, A Novel Genetic Algorithm Approach for Simultaneous Feature and Classifier Selection in Multi Classifier System, in *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*, edited by C. A. COELLO COELLO, pp. 1698–1705, Beijing, China, 2014.
- [231] K. GLETTE and P. KAUFMANN, Lookup Table Partial Reconfiguration for an Evolvable Hardware Classifier System, in *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*, edited by C. A. COELLO COELLO, pp. 1706–1713, Beijing, China, 2014.
- [232] A. PAT, Ant Colony Optimization and Hypergraph Covering Problems, in *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*, edited by C. A. COELLO COELLO, pp. 1714–1720, Beijing, China, 2014.

- [233] P. HE, L. LU, X. XU, K. LI, H. QIAN, and W. ZHANG, Confidence-Based Ant Random Walks, in *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*, edited by C. A. COELLO COELLO, pp. 1721–1728, Beijing, China, 2014.
- [234] E. KASZKUREWICZ, A. BHAYA, J. JAYADEVA, and J. M. M. DA SILVA, The Coupled EigenAnt Algorithm for Shortest Path Problems, in *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*, edited by C. A. COELLO COELLO, pp. 1729–1735, Beijing, China, 2014.
- [235] L. DAWSON and I. STEWART, Accelerating Ant Colony Optimization-Based Edge Detection on the GPU Using CUDA, in *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*, edited by C. A. COELLO COELLO, pp. 1736–1743, Beijing, China, 2014.
- [236] Z. WU and M. KOLONKO, Absorption in Model-Based Search Algorithms for Combinatorial Optimization, in *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*, edited by C. A. COELLO COELLO, pp. 1744–1751, Beijing, China, 2014.
- [237] M. MAVROVOUNIOTIS and S. YANG, Elitism-Based Immigrants for Ant Colony Optimization in Dynamic Environments: Adapting the Replacement Rate, in *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*, edited by C. A. COELLO COELLO, pp. 1752–1759, Beijing, China, 2014.
- [238] R. MALLIPEDDI, G. WU, M. LEE, and S. P. NAGARATNAM, Gaussian Adaptation Based Parameter Adaptation for Differential Evolution, in *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*, edited by C. A. COELLO COELLO, pp. 1760–1767, Beijing, China, 2014.
- [239] H. SALEHINEJAD, S. RAHNAMAYAN, and H. R. TIZHOOSH, Toward Using Type-II Opposition in Optimization, in *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*, edited by C. A. COELLO COELLO, pp. 1768–1775, Beijing, China, 2014.
- [240] H. LIU, Z. WU, H. WANG, S. RAHNAMAYAN, and C. DENG, Improved Differential Evolution with Adaptive Opposition Strategy, in *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*, edited by C. A. COELLO COELLO, pp. 1776–1783, Beijing, China, 2014.
- [241] J. ANGELO, E. KREMPSE, and H. BARBOSA, Differential Evolution Assisted by a Surrogate Model for Bilevel Programming Problems, in *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*, edited by C. A. COELLO COELLO, pp. 1784–1791, Beijing, China, 2014.
- [242] E. MINISCI and M. VASILE, Adaptive Inflationary Differential Evolution, in *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*, edited by C. A. COELLO COELLO, pp. 1792–1799, Beijing, China, 2014.
- [243] S. RAHNAMAYAN, J. JESUTHASAN, F. BOURENNANI, H. SALEHINEJAD, and G. F. NATERER, Computing Opposition by Involving Entire Population, in *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*, edited by C. A. COELLO COELLO, pp. 1800–1807, Beijing, China, 2014.
- [244] X. LI, W. HE, and K. HIRASAWA, Adaptive Genetic Network Programming, in *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*, edited by C. A. COELLO COELLO, pp. 1808–1815, Beijing, China, 2014.
- [245] T. WEISE, M. WAN, K. TANG, and X. YAO, Evolving Exact Integer Algorithms with Genetic Programming, in *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*, edited by C. A. COELLO COELLO, pp. 1816–1823, Beijing, China, 2014.
- [246] S. NGUYEN, M. ZHANG, and M. JOHNSTON, A Sequential Genetic Programming Method to Learn Forward Construction Heuristics for Order Acceptance and Scheduling, in *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*, edited by C. A. COELLO COELLO, pp. 1824–1831, Beijing, China, 2014.

- [247] C. XIE and L. SHANG, Anomaly Detection in Crowded Scenes Using Genetic Programming, in *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*, edited by C. A. COELLO COELLO, pp. 1832–1839, Beijing, China, 2014.
- [248] Y. YU, H. MA, and M. ZHANG, A Genetic Programming Approach to Distributed QoS-Aware Web Service Composition, in *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*, edited by C. A. COELLO COELLO, pp. 1840–1846, Beijing, China, 2014.
- [249] T. KREN and R. NERUDA, Generating Lambda Term Individuals in Typed Genetic Programming Using Forgetful A\*, in *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*, edited by C. A. COELLO COELLO, pp. 1847–1854, Beijing, China, 2014.
- [250] L. P. COTA, M. N. HADDAD, M. J. F. SOUZA, and V. N. COELHO, AIRP: A Heuristic Algorithm for Solving the Unrelated Parallel Machine Scheduling Problem, in *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*, edited by C. A. COELLO COELLO, pp. 1855–1862, Beijing, China, 2014.
- [251] J. GROBLER, A. P. ENGELBRECHT, G. KENDALL, and V. YADAVALLI, Heuristic Space Diversity Management in a Meta-Hyper-Heuristic Framework, in *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*, edited by C. A. COELLO COELLO, pp. 1863–1869, Beijing, China, 2014.
- [252] A. SINHA, P. MALO, and K. DEB, An Improved Bilevel Evolutionary Algorithm Based on Quadratic Approximations, in *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*, edited by C. A. COELLO COELLO, pp. 1870–1877, Beijing, China, 2014.
- [253] L. KE, A Cooperative Approach between Metaheuristic and Branch-and-Price for the Team Orienteering Problem with Time Windows, in *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*, edited by C. A. COELLO COELLO, pp. 1878–1882, Beijing, China, 2014.
- [254] Y.-J. ZHENG, B. ZHANG, and Z. CHENG, Hyper-Heuristics with Penalty Parameter Adaptation for Constrained Optimization, in *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*, edited by C. A. COELLO COELLO, pp. 1883–1889, Beijing, China, 2014.
- [255] E. SEGRED0, C. SEGURA, and C. LEON, Control of Numeric and Symbolic Parameters with a Hybrid Scheme Based on Fuzzy Logic and Hyper-heuristics, in *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*, edited by C. A. COELLO COELLO, pp. 1890–1897, Beijing, China, 2014.
- [256] E. SAYED, D. ESSAM, R. SARKER, and S. ELSAYED, A Decomposition-Based Algorithm for Dynamic Economic Dispatch Problems, in *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*, edited by C. A. COELLO COELLO, pp. 1898–1905, Beijing, China, 2014.
- [257] J. DING, S. SONG, R. ZHANG, and C. WU, Minimizing Makespan for a No-Wait Flowshop Using Tabu Mechanism Improved Iterated Greedy Algorithm, in *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*, edited by C. A. COELLO COELLO, pp. 1906–1911, Beijing, China, 2014.
- [258] M. RUELLO, F. GRIMACCIA, M. MUSSETTA, and R. E. ZICH, Black-Hole PSO and SNO for Electromagnetic Optimization, in *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*, edited by C. A. COELLO COELLO, pp. 1912–1916, Beijing, China, 2014.
- [259] X. QIAN, M. HUANG, T. GAO, and X. WANG, An Improved Ant Colony Algorithm for Winner Determination in Multi-Attribute Combinatorial Reverse Auction, in *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*, edited by C. A. COELLO COELLO, pp. 1917–1921, Beijing, China, 2014.
- [260] M. PANDIYAN, Soft Computing Techniques Based Optimal Tuning of Virtual Feedback PID Controller for Chemical Tank Reactor, in *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*, edited by C. A. COELLO COELLO, pp. 1922–1928, Beijing, China, 2014.

- [261] K. HARRISON, B. OMBUKI-BERMAN, and A. ENGELBRECHT, Dynamic Multi-Objective Optimization Using Charged Vector Evaluated Particle Swarm Optimization, in *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*, edited by C. A. COELLO COELLO, pp. 1929–1936, Beijing, China, 2014.
- [262] E. MESA, J. D. VELASQUEZ, and P. JARAMILLO, A New Self-Adaptive PSO Based on the Identification of Planar Regions, in *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*, edited by C. A. COELLO COELLO, pp. 1937–1943, Beijing, China, 2014.
- [263] P.-C. TSAI, C.-M. CHEN, and Y. PING CHEN, PSO-Based Evacuation Simulation Framework, in *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*, edited by C. A. COELLO COELLO, pp. 1944–1950, Beijing, China, 2014.
- [264] S. BOUAZIZ, A. M. ALIM, and A. ABRAHAM, PSO-Based Update Memory for Improved Harmony Search Algorithm to the Evolution of FBBFNT’ Parameters, in *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*, edited by C. A. COELLO COELLO, pp. 1951–1958, Beijing, China, 2014.
- [265] C. JARIYATANTIWAIT and G. YEN, Fuzzy Multiobjective Differential Evolution Using Performance Metrics Feedback, in *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*, edited by C. A. COELLO COELLO, pp. 1959–1966, Beijing, China, 2014.
- [266] S. Y. YUEN and X. ZHANG, Multiobjective Evolutionary Algorithm Portfolio: Choosing Suitable Algorithm for Multiobjective Optimization Problem, in *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*, edited by C. A. COELLO COELLO, pp. 1967–1973, Beijing, China, 2014.
- [267] R. SHANG, K. ZHANG, and L. JIAO, A Novel Algorithm for Many-Objective Dimension Reductions: Pareto-PCA-NSGA-II, in *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*, edited by C. A. COELLO COELLO, pp. 1974–1981, Beijing, China, 2014.
- [268] T. SOUZA, E. GOLDBARG, and M. GOLDBARG, An Experimental Analysis of Evolutionary Algorithms for the Three-Objective Oil Derivatives Distribution Problem, in *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*, edited by C. A. COELLO COELLO, pp. 1982–1989, Beijing, China, 2014.
- [269] M. F. LEUNG, S. C. NG, C. C. CHEUNG, and A. K. LUI, A New Strategy for Finding Good Local Guides in MOPSO, in *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*, edited by C. A. COELLO COELLO, pp. 1990–1997, Beijing, China, 2014.
- [270] J. J. YU, V. O. LI, and A. Y. LAM, An Inter-Molecular Adaptive Collision Scheme for Chemical Reaction Optimization, in *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*, edited by C. A. COELLO COELLO, pp. 1998–2004, Beijing, China, 2014.
- [271] D. POOLE, C. ALLEN, and T. RENDALL, Analysis of Constraint Handling Methods for the Gravitational Search Algorithm, in *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*, edited by C. A. COELLO COELLO, pp. 2005–2012, Beijing, China, 2014.
- [272] Z. CAI, S. WEN, and L. LIU, Distributed Wireless Sensor Scheduling for Multi-Target Tracking Based on Matrix-Coded Parallel Genetic Algorithm, in *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*, edited by C. A. COELLO COELLO, pp. 2013–2018, Beijing, China, 2014.
- [273] J. DING, L. CHEN, Q. XIE, T. CHAI, and X. ZHENG, Effect of Pseudo Gradient on Differential Evolutionary for Global Numerical Optimization, in *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*, edited by C. A. COELLO COELLO, pp. 2019–2026, Beijing, China, 2014.
- [274] M. LI, T. JI, P. WU, S. HE, and Q. WU, Protein Folding Estimation Using Paired-Bacteria Optimizer, in *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*, edited by C. A. COELLO COELLO, pp. 2027–2032, Beijing, China, 2014.

- [275] X. WEI ZHENG, D. JIE LU, and Z. HUA CHEN, A Self-Adaptive Group Search Optimizer with Elitist Strategy, in *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*, edited by C. A. COELLO COELLO, pp. 2033–2039, Beijing, China, 2014.
- [276] J. XU, X. XI, and S. WANG, Optimization Based on Adaptive Hinging Hyperplanes and Genetic Algorithm, in *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*, edited by C. A. COELLO COELLO, pp. 2040–2046, Beijing, China, 2014.
- [277] T. ZHU, W. LUO, and L. YUE, Combining Multipopulation Evolutionary Algorithms with Memory for Dynamic Optimization Problems, in *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*, edited by C. A. COELLO COELLO, pp. 2047–2054, Beijing, China, 2014.
- [278] H. SALEHINEJAD, S. RAHNAMAYAN, and H. R. TIZHOOSH, Micro-Differential Evolution with Vectorized Random Mutation Factor, in *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*, edited by C. A. COELLO COELLO, pp. 2055–2062, Beijing, China, 2014.
- [279] S. GAO, Z. LIU, C. DAI, and X. GENG, Application of BPSO with GA in Model-Based Fault Diagnosis of Traction Substation, in *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*, edited by C. A. COELLO COELLO, pp. 2063–2069, Beijing, China, 2014.
- [280] X. DU and X. CHANG, Performance of AI Algorithms for Mining Meaningful Roles, in *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*, edited by C. A. COELLO COELLO, pp. 2070–2076, Beijing, China, 2014.
- [281] J. LI and J. ZHANG, Using Estimation of Distribution Algorithm to Coordinate Decentralized Learning Automata for Meta-Task Scheduling, in *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*, edited by C. A. COELLO COELLO, pp. 2077–2084, Beijing, China, 2014.
- [282] H. CHATBRI, P. KWAN, and K. KAMEYAMA, A Modular Approach for Query Spotting in Document Images and Its Optimization Using Genetic Algorithms, in *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*, edited by C. A. COELLO COELLO, pp. 2085–2092, Beijing, China, 2014.
- [283] X. ZHU, W. LUO, and T. ZHU, An Improved Genetic Algorithm for Dynamic Shortest Path Problems, in *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*, edited by C. A. COELLO COELLO, pp. 2093–2100, Beijing, China, 2014.
- [284] C.-L. WU, C.-H. LIU, and C.-K. TING, A Novel Genetic Algorithm Considering Measures and Phrases for Generating Melody, in *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*, edited by C. A. COELLO COELLO, pp. 2101–2107, Beijing, China, 2014.
- [285] Z. SHI, Y. PENG, and W. WEI, Optimal Sizing of DGs and Storage for Microgrid with Interruptible Load Using Improved NSGA-II, in *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*, edited by C. A. COELLO COELLO, pp. 2108–2115, Beijing, China, 2014.
- [286] R. B. R., Lion Algorithm for Standard and Large Scale Bilinear System Identification: A Global Optimization Based on Lion’s Social Behavior, in *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*, edited by C. A. COELLO COELLO, pp. 2116–2123, Beijing, China, 2014.
- [287] Y. WANG and J. YIN, Intelligent Search Optimized Edge Potential Function (EPF) Approach to Synthetic Aperture Radar (SAR) Scene Matching, in *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*, edited by C. A. COELLO COELLO, pp. 2124–2131, Beijing, China, 2014.
- [288] Z. WANG, Q. ZHANG, M. GONG, and A. ZHOU, A Replacement Strategy for Balancing Convergence and Diversity in MOEA/D, in *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*, edited by C. A. COELLO COELLO, pp. 2132–2139, Beijing, China, 2014.

- [289] M. LI, S. YANG, and X. LIU, A Test Problem for Visual Investigation of High-Dimensional Multi-Objective Search, in *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*, edited by C. A. COELLO COELLO, pp. 2140–2147, Beijing, China, 2014.
- [290] A. MENCHACA-MENDEZ and C. A. C. COELLO, MD-MOEA : A New MOEA Based on the Maximin Fitness Function and Euclidean Distances between Solutions, in *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*, edited by C. A. COELLO COELLO, pp. 2148–2155, Beijing, China, 2014.
- [291] H. LI, Q. ZHANG, and J. DENG, Multiobjective Test Problems with Complicated Pareto Fronts: Difficulties in Degeneracy, in *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*, edited by C. A. COELLO COELLO, pp. 2156–2163, Beijing, China, 2014.
- [292] L. SOUZA, R. PRUDENCIO, and F. BARROS, A Comparison Study of Binary Multi-Objective Particle Swarm Optimization Approaches for Test Case Selection, in *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*, edited by C. A. COELLO COELLO, pp. 2164–2171, Beijing, China, 2014.
- [293] M. PILAT and R. NERUDA, The Effect of Different Local Search Algorithms on the Performance of Multi-Objective Optimizers, in *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*, edited by C. A. COELLO COELLO, pp. 2172–2179, Beijing, China, 2014.
- [294] M. ALI, A. MORGHAM, J. ALBADARNEH, R. AL-GHARAIBEH, P. SUGANTHAN, and R. REYNOLDS, Cultural Algorithms Applied to the Evolution of Robotic Soccer Team Tactics: A Novel Perspective, in *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*, edited by C. A. COELLO COELLO, pp. 2180–2187, Beijing, China, 2014.
- [295] T. JUAN, A. JOSE, and C. MARIELA, Cultural Learning for Multi-Agent System and Its Application to Fault Management, in *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*, edited by C. A. COELLO COELLO, pp. 2188–2195, Beijing, China, 2014.
- [296] S. STANLEY, T. PALAZZOLO, and D. WARNKE, Analyzing Prehistoric Hunter Behavior with Cultural Algorithms, in *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*, edited by C. A. COELLO COELLO, pp. 2196–2205, Beijing, China, 2014.
- [297] T. JUDEH, T. JAYYOUSI, L. ACHARYA, R. REYNOLDS, and D. ZHU, GSCA: Reconstructing Biological Pathway Topologies Using a Cultural Algorithms Approach, in *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*, edited by C. A. COELLO COELLO, pp. 2206–2213, Beijing, China, 2014.
- [298] X. CHE and R. REYNOLDS, A Social Metrics Based Process Model on Complex Social System, in *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*, edited by C. A. COELLO COELLO, pp. 2214–2221, Beijing, China, 2014.
- [299] B. ZHANG, K. SHAFI, and H. ABBASS, Online Knowledge-Based Evolutionary Multi-Objective Optimization, in *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*, edited by C. A. COELLO COELLO, pp. 2222–2229, Beijing, China, 2014.
- [300] R. POLAKOVA, J. TVRDIK, and P. BUJOK, Controlled Restart in Differential Evolution Applied to CEC2014 Benchmark Functions, in *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*, edited by C. A. COELLO COELLO, pp. 2230–2236, Beijing, China, 2014.
- [301] Y. DHEBAR, K. DEB, and S. BANDARU, Non-Uniform Mapping in Real-Coded Genetic Algorithms, in *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*, edited by C. A. COELLO COELLO, pp. 2237–2244, Beijing, China, 2014.
- [302] P. PHILIPPE, M. REMI, and V. MICHAL, Bandits Attack Function Optimization, in *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*, edited by C. A. COELLO COELLO, pp. 2245–2252, Beijing, China, 2014.

- [303] P. BUJOK, J. TVRDIK, and R. POLAKOVA, Differential Evolution with Rotation-Invariant Mutation and Competing-Strategies Adaptation, in *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*, edited by C. A. COELLO COELLO, pp. 2253–2258, Beijing, China, 2014.
- [304] Z. HU, Y. BAO, and T. XIONG, Partial Opposition-Based Adaptive Differential Evolution Algorithms: Evaluation on the CEC 2014 Benchmark Set for Real-Parameter Optimization, in *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*, edited by C. A. COELLO COELLO, pp. 2259–2265, Beijing, China, 2014.
- [305] J. J. LIANG, B. Y. QU, H. SONG, and Z. G. SHANG, Memetic Differential Evolution Based on Fitness Euclidean-Distance Ratio, in *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*, edited by C. A. COELLO COELLO, pp. 2266–2273, Beijing, China, 2014.
- [306] A. CAMPBELL, V. CIESIELSKI, and K. TRIST, A Self Organising Map Based Method for Understanding Features Associated with High Aesthetic Value Evolved Abstract Images, in *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*, edited by C. A. COELLO COELLO, pp. 2274–2281, Beijing, China, 2014.
- [307] F. F. DE VEGA, M. GARCIA-VALDEZ, L. NAVARRO, C. CRUZ, P. HERNANDEZ, T. GALLEGO, and J. V. ALBARRAN, When Artists Met Evospace-i, in *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*, edited by C. A. COELLO COELLO, pp. 2282–2289, Beijing, China, 2014.
- [308] N. SEPHTON, P. COWLING, E. POWLEY, D. WHITEHOUSE, and N. SLAVEN, Parallelization of Information Set Monte Carlo Tree Search, in *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*, edited by C. A. COELLO COELLO, pp. 2290–2297, Beijing, China, 2014.
- [309] S. WANG, J. GAIN, and G. NITSCHKE, Comparing Crossover Operators in Neuro-Evolution with Crowd Simulations, in *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*, edited by C. A. COELLO COELLO, pp. 2298–2305, Beijing, China, 2014.
- [310] J. DAVILA, Genotype Coding, Diversity, and Dynamic Environments: A Study on an Evolutionary Neural Network Multi-Agent System, in *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*, edited by C. A. COELLO COELLO, pp. 2306–2313, Beijing, China, 2014.
- [311] D. PEREZ, E. POWLEY, D. WHITEHOUSE, S. SAMOTHRAKIS, S. LUCAS, and P. COWLING, The 2013 Multi-Objective Physical Travelling Salesman Problem Competition, in *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*, edited by C. A. COELLO COELLO, pp. 2314–2321, Beijing, China, 2014.
- [312] H. SHAO, R. ABIELMONA, R. FALCON, and N. JAPKOWICZ, Vessel Track Correlation and Association Using Fuzzy Logic and Echo State Networks, in *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*, edited by C. A. COELLO COELLO, pp. 2322–2329, Beijing, China, 2014.
- [313] X. WANG, X. LIU, N. JAPKOWICZ, and S. MATWIN, Automatic Target Recognition Using Multiple-Aspect Sonar Images, in *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*, edited by C. A. COELLO COELLO, pp. 2330–2337, Beijing, China, 2014.
- [314] J. J. YU and V. O. LI, Base Station Switching Problem for Green Cellular Networks with Social Spider Algorithm, in *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*, edited by C. A. COELLO COELLO, pp. 2338–2344, Beijing, China, 2014.
- [315] Z. WANG, M. GONG, Q. CAI, L. MA, and L. JIAO, Deployment Optimization of Near Space Airships Based on MOEA/D with Local Search, in *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*, edited by C. A. COELLO COELLO, pp. 2345–2352, Beijing, China, 2014.

- [316] H.-Y. TUNG, W.-C. MA, and T.-L. YU, Novel Traffic Signal Timing Adjustment Strategy Based on Genetic Algorithm, in *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*, edited by C. A. COELLO COELLO, pp. 2353–2360, Beijing, China, 2014.
- [317] I. MAUSER, M. DORSCHIED, F. ALLERDING, and H. SCHMECK, Encodings for Evolutionary Algorithms in Smart Buildings with Energy Management Systems, in *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*, edited by C. A. COELLO COELLO, pp. 2361–2366, Beijing, China, 2014.
- [318] M. MAYO and Q. SUN, Evolving Artificial Datasets to Improve Interpretable Classifiers, in *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*, edited by C. A. COELLO COELLO, pp. 2367–2374, Beijing, China, 2014.
- [319] G. VARELA, P. CAAMANO, F. ORJALES, A. DEIBE, F. LOPEZ-PENA, and R. DURO, Differential Evolution in Constrained Sampling Problems, in *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*, edited by C. A. COELLO COELLO, pp. 2375–2382, Beijing, China, 2014.
- [320] V. PLAGIANAKOS, Unsupervised Clustering and Multi-Optima Evolutionary Search, in *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*, edited by C. A. COELLO COELLO, pp. 2383–2390, Beijing, China, 2014.
- [321] X. QIU, J. XU, and K. C. TAN, A Novel Differential Evolution (DE) Algorithm for Multi-Objective Optimization, in *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*, edited by C. A. COELLO COELLO, pp. 2391–2396, Beijing, China, 2014.
- [322] D. L. ST-PIERRE and J. LIU, Differential Evolution Algorithm Applied to Non-Stationary Bandit Problem, in *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*, edited by C. A. COELLO COELLO, pp. 2397–2403, Beijing, China, 2014.
- [323] B. KAZIMIPOUR, X. LI, and A. QIN, Effects of Population Initialization on Differential Evolution for Large Scale Optimization, in *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*, edited by C. A. COELLO COELLO, pp. 2404–2411, Beijing, China, 2014.
- [324] S. VANDEN BROUCKE, J. VANTHIENEN, and B. BAESENS, Declarative Process Discovery with Evolutionary Computing, in *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*, edited by C. A. COELLO COELLO, pp. 2412–2419, Beijing, China, 2014.
- [325] A. BURATTIN, A. SPERDUTI, and W. M. P. VAN DER AALST, Control-Flow Discovery from Event Streams, in *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*, edited by C. A. COELLO COELLO, pp. 2420–2427, Beijing, China, 2014.
- [326] W. LOW, J. D. WEERDT, M. WYNN, A. TER HOFSTEDE, W. VAN DER AALST, and S. VANDEN BROUCKE, Perturbing Event Logs to Identify Cost Reduction Opportunities: A Genetic Algorithm-Based Approach, in *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*, edited by C. A. COELLO COELLO, pp. 2428–2435, Beijing, China, 2014.
- [327] L. MARTINS, R. NOBRE, A. DELBEM, E. MARQUES, and J. CARDOSO, A Clustering-Based Approach for Exploring Sequences of Compiler Optimizations, in *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*, edited by C. A. COELLO COELLO, pp. 2436–2443, Beijing, China, 2014.
- [328] T. YOSHIDA and T. YOSHIKAWA, A Study on Non-Correspondence in Spread between Objective Space and Design Variable Space for Trajectory Designing Optimization Problem, in *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*, edited by C. A. COELLO COELLO, pp. 2444–2450, Beijing, China, 2014.
- [329] A. AGAPITOS, M. O’NEILL, and A. BRABAZON, Ensemble Bayesian Model Averaging in Genetic Programming, in *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*, edited by C. A. COELLO COELLO, pp. 2451–2458, Beijing, China, 2014.



- [330] J. CEBERIO, E. IRUROZKI, A. MENDIBURU, and J. A. LOZANO, Extending Distance-Based Ranking Models in Estimation of Distribution Algorithms, in *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*, edited by C. A. COELLO COELLO, pp. 2459–2466, Beijing, China, 2014.
- [331] B. WANG, H. XU, and Y. YUAN, Quantum-Inspired Evolutionary Algorithm with Linkage Learning, in *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*, edited by C. A. COELLO COELLO, pp. 2467–2474, Beijing, China, 2014.
- [332] S.-M. WANG, Y.-F. TUNG, and T.-L. YU, Investigation on Efficiency of Optimal Mixing on Various Linkage Sets, in *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*, edited by C. A. COELLO COELLO, pp. 2475–2482, Beijing, China, 2014.
- [333] Q. LIAO, A. ZHOU, and G. ZHANG, A Locally Weighted Metamodel for Pre-Selection in Evolutionary Optimization, in *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*, edited by C. A. COELLO COELLO, pp. 2483–2490, Beijing, China, 2014.
- [334] Y.-E. SU and T.-L. YU, Use Model Building on Discretization Algorithms for Discrete EDAs to Work on Real-Valued Problems, in *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*, edited by C. A. COELLO COELLO, pp. 2491–2498, Beijing, China, 2014.
- [335] A. KATTAN, M. KAMPOURIDIS, Y.-S. ONG, and K. MEHAMDI, Transformation of Input Space Using Statistical Moments: EA-Based Approach, in *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*, edited by C. A. COELLO COELLO, pp. 2499–2506, Beijing, China, 2014.
- [336] K. MALAN and A. ENGELBRECHT, A Progressive Random Walk Algorithm for Sampling Continuous Fitness Landscapes, in *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*, edited by C. A. COELLO COELLO, pp. 2507–2514, Beijing, China, 2014.
- [337] F. ALANAZI and P. K. LEHRE, Runtime Analysis of Selection Hyper-Heuristics with Classical Learning Mechanisms, in *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*, edited by C. A. COELLO COELLO, pp. 2515–2523, Beijing, China, 2014.
- [338] C. CLEGHORN and A. ENGELBRECHT, Particle Swarm Convergence: An Empirical Investigation, in *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*, edited by C. A. COELLO COELLO, pp. 2524–2530, Beijing, China, 2014.
- [339] J. MA, J. ZHANG, W. WANG, and J. YAO, Phase Transition Particle Swarm Optimization, in *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*, edited by C. A. COELLO COELLO, pp. 2531–2538, Beijing, China, 2014.
- [340] K. ZHANG, T. WEISE, and J. LI, Fitness Level Based Adaptive Operator Selection for Cutting Stock Problems with Contiguity, in *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*, edited by C. A. COELLO COELLO, pp. 2539–2546, Beijing, China, 2014.
- [341] R. KLAZAR and A. ENGELBRECHT, Parameter Optimization by Means of Statistical Quality Guides in F-Race, in *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*, edited by C. A. COELLO COELLO, pp. 2547–2552, Beijing, China, 2014.
- [342] L. ZHANG and R. HE, A Globally Diversified Island Model PGA for Multimodal Optimization, in *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*, edited by C. A. COELLO COELLO, pp. 2553–2561, Beijing, China, 2014.
- [343] M. PEREIRA, M. ROISENBERG, and G. NETO, A Topological Niching Covariance Matrix Adaptation for Multimodal Optimization, in *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*, edited by C. A. COELLO COELLO, pp. 2562–2569, Beijing, China, 2014.
- [344] F. VAFABEE, G. TURAN, P. NELSON, and T. BERGER-WOLF, Balancing the Exploration and Exploitation in an Adaptive Diversity Guided Genetic Algorithm, in *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*, edited by C. A. COELLO COELLO, pp. 2570–2577, Beijing, China, 2014.

- [345] X. PENG, X. LEI, and K. LIU, Compensate Information from Multimodal Dynamic Landscapes: An Anti-Pathology Cooperative Coevolutionary Algorithm, in *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*, edited by C. A. COELLO COELLO, pp. 2578–2584, Beijing, China, 2014.
- [346] B. KAZIMIPOUR, X. LI, and A. QIN, A Review of Population Initialization Techniques for Evolutionary Algorithms, in *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*, edited by C. A. COELLO COELLO, pp. 2585–2592, Beijing, China, 2014.
- [347] J. FIELDSSEND, Running Up Those Hills: Multi-Modal Search with the Niching Migratory Multi-Swarm Optimiser, in *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*, edited by C. A. COELLO COELLO, pp. 2593–2600, Beijing, China, 2014.
- [348] L. ZHU, K. DEB, and S. KULKARNI, Multi-Scenario Optimization Using Multi-Criterion Methods: A Case Study on Byzantine Agreement Problem, in *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*, edited by C. A. COELLO COELLO, pp. 2601–2608, Beijing, China, 2014.
- [349] C. SMITH, J. DOHERTY, and Y. JIN, Multi-Objective Evolutionary Recurrent Neural Network Ensemble for Prediction of Computational Fluid Dynamic Simulations, in *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*, edited by C. A. COELLO COELLO, pp. 2609–2616, Beijing, China, 2014.
- [350] S. WESOLKOWSKI, N. FRANCETIC, and S. GRANT, TraDE: Training Device Selection Via Multi-Objective Optimization, in *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*, edited by C. A. COELLO COELLO, pp. 2617–2624, Beijing, China, 2014.
- [351] W. ABDUL, G. XIAOYING, and A. PETER, Multi-view Clustering of Web Documents Using Multi-Objective Genetic Algorithm, in *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*, edited by C. A. COELLO COELLO, pp. 2625–2632, Beijing, China, 2014.
- [352] H. MASUDA, Y. NOJIMA, and H. ISHIBUCHI, Visual Examination of the Behavior of EMO Algorithms for Many-Objective Optimization with Many Decision Variables, in *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*, edited by C. A. COELLO COELLO, pp. 2633–2640, Beijing, China, 2014.
- [353] W. HU, G. YEN, and X. ZHANG, Sensitivity Analysis of Parallel Cell Coordinate System in Many-Objective Particle Swarm Optimization, in *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*, edited by C. A. COELLO COELLO, pp. 2641–2648, Beijing, China, 2014.
- [354] R. MAIA, L. DE CASTRO, and W. CAMINHAS, Real-Parameter Optimization with OptBees, in *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*, edited by C. A. COELLO COELLO, pp. 2649–2655, Beijing, China, 2014.
- [355] H. SHAN, T. YASUDA, and K. OHKURA, A Levy Flight-Based Hybrid Artificial Bee Colony Algorithm for Solving Numerical Optimization Problems, in *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*, edited by C. A. COELLO COELLO, pp. 2656–2663, Beijing, China, 2014.
- [356] K. DING and Y. TAN, Comparison of Random Number Generators in Particle Swarm Optimization Algorithm, in *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*, edited by C. A. COELLO COELLO, pp. 2664–2671, Beijing, China, 2014.
- [357] L. CHEN, H.-L. LIU, Z. ZHENG, and S. XIE, A Evolutionary Algorithm Based on Covariance Matrix Learning and Searching Preference for Solving CEC 2014 Benchmark Problems, in *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*, edited by C. A. COELLO COELLO, pp. 2672–2677, Beijing, China, 2014.
- [358] V. LEITE, C. SILVA, J. CLARO, and J. M. C. SOUSA, Optimization of Power Flow with Energy Storage Using Genetic Algorithms, in *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*, edited by C. A. COELLO COELLO, pp. 2678–2684, Beijing, China, 2014.

- [359] Z. YANG, K. LI, A. FOLEY, and C. ZHANG, A New Self-Learning TLBO Algorithm for RBF Neural Modelling of Batteries in Electric Vehicles, in *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*, edited by C. A. COELLO COELLO, pp. 2685–2691, Beijing, China, 2014.
- [360] H. RICHTER, Codynamic Fitness Landscapes of Coevolutionary Minimal Substrates, in *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*, edited by C. A. COELLO COELLO, pp. 2692–2699, Beijing, China, 2014.
- [361] G. DICK and X. YAO, Model Representation and Cooperative Coevolution for Finite-State Machine Evolution, in *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*, edited by C. A. COELLO COELLO, pp. 2700–2707, Beijing, China, 2014.
- [362] S.-Y. WU and J.-S. LIU, Evolutionary Path Planning of a Data Mule in Wireless Sensor Network by Using Shortcuts, in *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*, edited by C. A. COELLO COELLO, pp. 2708–2715, Beijing, China, 2014.
- [363] M. R. KARIM and M. MOUHOUB, Coevolutionary Genetic Algorithm for Variable Ordering in CSPs, in *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*, edited by C. A. COELLO COELLO, pp. 2716–2723, Beijing, China, 2014.
- [364] H. D. MENENDEZ, D. F. BARRERO, and D. CAMACHO, A Co-Evolutionary Multi-Objective Approach for a K-Adaptive Graph-Based Clustering Algorithm, in *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*, edited by C. A. COELLO COELLO, pp. 2724–2731, Beijing, China, 2014.
- [365] M. BIDLO, Evolving Multiplication as Emergent Behavior in Cellular Automata Using Conditionally Matching Rules, in *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*, edited by C. A. COELLO COELLO, pp. 2732–2739, Beijing, China, 2014.
- [366] H. D. MENENDEZ, L. PLAZA, and D. CAMACHO, Combining Graph Connectivity and Genetic Clustering to Improve Biomedical Summarization, in *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*, edited by C. A. COELLO COELLO, pp. 2740–2747, Beijing, China, 2014.
- [367] S. DATTA, P. RAKSHIT, A. KONAR, and A. K. NAGAR, Selecting the Optimal EEG Electrode Positions for a Cognitive Task Using an Artificial Bee Colony with Adaptive Scale Factor Optimization Algorithm, in *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*, edited by C. A. COELLO COELLO, pp. 2748–2755, Beijing, China, 2014.
- [368] S. AHMED, M. ZHANG, and L. PENG, A New GP-Based Wrapper Feature Construction Approach to Classification and Biomarker Identification, in *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*, edited by C. A. COELLO COELLO, pp. 2756–2763, Beijing, China, 2014.
- [369] J. BYRNE, M. NICOLAU, A. BRABAZON, and M. O’NEILL, An Examination of Synchronisation in Artificial Gene Regulatory Networks, in *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*, edited by C. A. COELLO COELLO, pp. 2764–2769, Beijing, China, 2014.
- [370] J. L. SONCCO-ALVAREZ and M. AYALA-RINCON, Memetic Algorithm for Sorting Unsigned Permutations by Reversals, in *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*, edited by C. A. COELLO COELLO, pp. 2770–2777, Beijing, China, 2014.
- [371] G. FOGEL, E. LIU, M. SALEMI, S. LAMERS, and M. MCGRATH, Evolved Neural Networks for HIV-1 Co-Receptor Identification, in *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*, edited by C. A. COELLO COELLO, pp. 2778–2784, Beijing, China, 2014.
- [372] E. D. MARIO, I. NAVARRO, and A. MARTINOLI, Analysis of Fitness Noise in Particle Swarm Optimization: From Robotic Learning to Benchmark Functions, in *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*, edited by C. A. COELLO COELLO, pp. 2785–2792, Beijing, China, 2014.

- [373] C. PRETORIUS, M. DU PLESSIS, and J. GONSALVES, A Comparison of Neural Networks and Physics Models as Motion Simulators for Simple Robotic Evolution, in *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*, edited by C. A. COELLO COELLO, pp. 2793–2800, Beijing, China, 2014.
- [374] A. MOSHAIOV and A. TAL, Family Bootstrapping: A Genetic Transfer Learning Approach for Onsetting the Evolution for a Set of Related Robotic Tasks, in *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*, edited by C. A. COELLO COELLO, pp. 2801–2808, Beijing, China, 2014.
- [375] A. MOSHAIOV and O. ABRAMOVICH, Is MO-CMA-ES Superior to NSGA-II for the Evolution of Multi-Objective Neuro-Controllers?, in *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*, edited by C. A. COELLO COELLO, pp. 2809–2816, Beijing, China, 2014.
- [376] R. DORNBERGER, T. HANNE, R. RYTER, and S. MICHAEL, Optimization of the Picking Sequence of an Automated Storage and Retrieval System (AS/RS), in *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*, edited by C. A. COELLO COELLO, pp. 2817–2824, Beijing, China, 2014.
- [377] K. ALAM, T. RAY, and S. G. ANAVATTI, Practical Application of an Evolutionary Algorithm for the Design and Construction of a Six-Inch Submarine, in *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*, edited by C. A. COELLO COELLO, pp. 2825–2832, Beijing, China, 2014.
- [378] B. KAZIMPOUR, M. N. Omidvar, X. LI, and A. QIN, A Novel Hybridization of Opposition-Based Learning and Cooperative Co-Evolutionary for Large-Scale Optimization, in *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*, edited by C. A. COELLO COELLO, pp. 2833–2840, Beijing, China, 2014.
- [379] I. COOPER, M. JOHN, R. LEWIS, A. OLDEN, and C. MUMFORD, Optimising Large Scale Public Transport Network Design Problems Using Mixed-Mode Parallel Multi-Objective Evolutionary Algorithms, in *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*, edited by C. A. COELLO COELLO, pp. 2841–2848, Beijing, China, 2014.
- [380] T. WATANABE, T. TATSUKAWA, A. L. JAIMES, H. AONO, T. NONOMURA, A. OYAMA, and K. FUJII, Many-Objective Evolutionary Computation for Optimization of Separated-Flow Control Using a DBD Plasma Actuator, in *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*, edited by C. A. COELLO COELLO, pp. 2849–2854, Beijing, China, 2014.
- [381] L. LIN, G. MITSUO, and L. YAN, A Hybrid EA for High-Dimensional Subspace Clustering Problem, in *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*, edited by C. A. COELLO COELLO, pp. 2855–2860, Beijing, China, 2014.
- [382] M. YU DU, X. JUAN LEI, and Z. QIANG WU, A Simplified Glowworm Swarm Optimization Algorithm, in *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*, edited by C. A. COELLO COELLO, pp. 2861–2868, Beijing, China, 2014.
- [383] B. LI, J. LI, K. TANG, and X. YAO, An Improved Two Archive Algorithm for Many-Objective Optimization, in *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*, edited by C. A. COELLO COELLO, pp. 2869–2876, Beijing, China, 2014.
- [384] Y. XIAO, M. TREFZER, J. WALKER, S. BALE, and A. TYRRELL, Two Step Evolution Strategy for Device Motif BSIM Model Parameter Extraction, in *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*, edited by C. A. COELLO COELLO, pp. 2877–2884, Beijing, China, 2014.
- [385] M. WAGNER, Maximising Axiomatization Coverage and Minimizing Regression Testing Time, in *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*, edited by C. A. COELLO COELLO, pp. 2885–2892, Beijing, China, 2014.

- [386] Y. HUO, Z. CAI, W. GONG, and Q. LIU, A New Adaptive Kalman Filter by Combining Evolutionary Algorithm and Fuzzy Inference System, in *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*, edited by C. A. COELLO COELLO, pp. 2893–2900, Beijing, China, 2014.
- [387] L. SEKANINA, O. PTAK, and Z. VASICEK, Cartesian Genetic Programming as Local Optimizer of Logic Networks, in *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*, edited by C. A. COELLO COELLO, pp. 2901–2908, Beijing, China, 2014.
- [388] S. DONNE, M. NICOLAU, C. BEAN, and M. O’NEILL, Wave Height Quantification Using Land Based Seismic Data with Grammatical Evolution, in *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*, edited by C. A. COELLO COELLO, pp. 2909–2916, Beijing, China, 2014.
- [389] F. XIE, A. SONG, and V. CIESIELSKI, Genetic Programming Based Activity Recognition on a Smartphone Sensory Data Benchmark, in *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*, edited by C. A. COELLO COELLO, pp. 2917–2924, Beijing, China, 2014.
- [390] A. JANECEK, T. JORDAN, and F. B. DE LIMA-NETO, Swarm/Evolutionary Intelligence for Agent-Based Social Simulation, in *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*, edited by C. A. COELLO COELLO, pp. 2925–2932, Beijing, China, 2014.
- [391] D. ZAN and J. JAROS, Solving the Multidimensional Knapsack Problem Using a CUDA Accelerated PSO, in *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*, edited by C. A. COELLO COELLO, pp. 2933–2939, Beijing, China, 2014.
- [392] T. RUNKLER and J. BEZDEK, Multidimensional Scaling with Multiswarming, in *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*, edited by C. A. COELLO COELLO, pp. 2940–2946, Beijing, China, 2014.
- [393] M. METLICKA and D. DAVENDRA, Chaos-Driven Discrete Artificial Bee Colony, in *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*, edited by C. A. COELLO COELLO, pp. 2947–2954, Beijing, China, 2014.
- [394] S. ALAM, G. DOBBIE, Y. S. KOH, and P. RIDDLE, Web Bots Detection Using Particle Swarm Optimization Based Clustering, in *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*, edited by C. A. COELLO COELLO, pp. 2955–2962, Beijing, China, 2014.
- [395] C.-W. WU, T.-C. CHIANG, and L.-C. FU, An Ant Colony Optimization Algorithm for Multi-Objective Clustering in Mobile Ad Hoc Networks, in *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*, edited by C. A. COELLO COELLO, pp. 2963–2968, Beijing, China, 2014.
- [396] S. ADRIAENSEN, T. BRYN, and A. NOWE, Designing Reusable Metaheuristic Methods: A Semi-Automated Approach, in *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*, edited by C. A. COELLO COELLO, pp. 2969–2976, Beijing, China, 2014.
- [397] Y. ENAYA and K. DEB, Network Path Optimization Under Dynamic Conditions, in *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*, edited by C. A. COELLO COELLO, pp. 2977–2984, Beijing, China, 2014.
- [398] O. BRENT, D. THIRUVADY, A. GOMEZ-IGLESIAS, and R. GARCIA-FLORES, A Parallel Lagrangian-ACO Heuristic for Project Scheduling, in *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*, edited by C. A. COELLO COELLO, pp. 2985–2991, Beijing, China, 2014.
- [399] L. MASI and M. VASILE, A Multidirectional Physarum Solver for the Automated Design of Space Trajectories, in *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*, edited by C. A. COELLO COELLO, pp. 2992–2999, Beijing, China, 2014.

- [400] J. XIE, Y. MEI, A. ERNST, X. LI, and A. SONG, A Genetic Programming-Based Hyper-heuristic Approach for Storage Location Assignment Problem, in *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*, edited by C. A. COELLO COELLO, pp. 3000–3007, Beijing, China, 2014.
- [401] R. BURMAN, S. DAS, Z. HAQUE, A. V. VASILAKOS, and S. CHAKRABORTI, The Monarchy Driven Optimization Algorithm, in *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*, edited by C. A. COELLO COELLO, pp. 3008–3015, Beijing, China, 2014.
- [402] N. JIN and X. YAO, Heuristic Optimization for Software Project Management with Impacts of Team Efficiency, in *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*, edited by C. A. COELLO COELLO, pp. 3016–3023, Beijing, China, 2014.
- [403] Q. WANG, H. LI, M. GONG, L. SU, and L. JIAO, A Multiobjective Optimization Method Based on MOEA/D and Fuzzy Clustering for Change Detection in SAR Images, in *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*, edited by C. A. COELLO COELLO, pp. 3024–3029, Beijing, China, 2014.
- [404] P.-C. TSAI, C.-M. CHEN, and Y. PING CHEN, A Novel Evaluation Function for LT Codes Degree Distribution Optimization, in *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*, edited by C. A. COELLO COELLO, pp. 3030–3035, Beijing, China, 2014.
- [405] I. TRIGUERO, D. PERALTA, J. BACARDIT, S. GARCIA, and F. HERRERA, A Combined MapReduce-Windowing Two-Level Parallel Scheme for Evolutionary Prototype Generation, in *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*, edited by C. A. COELLO COELLO, pp. 3036–3043, Beijing, China, 2014.
- [406] L. GU, P. YANG, and Y. DONG, A Dynamic-Weighted Collaborative Filtering Approach to Address Sparsity and Adaptivity Issues, in *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*, edited by C. A. COELLO COELLO, pp. 3044–3050, Beijing, China, 2014.
- [407] S. REID, K. MALAN, and A. ENGELBRECHT, Carry Trade Portfolio Optimization using Particle Swarm Optimization, in *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*, edited by C. A. COELLO COELLO, pp. 3051–3058, Beijing, China, 2014.
- [408] M. REZA BONYADI and Z. MICHALEWICZ, On the Edge of Feasibility: A Case Study of the Particle Swarm Optimizer, in *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*, edited by C. A. COELLO COELLO, pp. 3059–3066, Beijing, China, 2014.
- [409] W. DONG and S. ZENG, Linear Sparse Arrays Designed by Dynamic Constrained Multi-Objective Evolutionary Algorithm, in *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*, edited by C. A. COELLO COELLO, pp. 3067–3072, Beijing, China, 2014.
- [410] C. SI, J. SHEN, X. ZOU, L. WANG, and Q. WU, Mapping Constrained Optimization Problems to Penalty Parameters: An Empirical Study, in *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*, edited by C. A. COELLO COELLO, pp. 3073–3079, Beijing, China, 2014.
- [411] P. SINGH, I. COUCKUYT, F. FERRANTI, and T. DHAENE, A Constrained Multi-Objective Surrogate-Based Optimization Algorithm, in *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*, edited by C. A. COELLO COELLO, pp. 3080–3087, Beijing, China, 2014.
- [412] S. POURSOLTAN and F. NEUMANN, A Feature-Based Analysis on the Impact of Linear Constraints for e-Constrained Differential Evolution, in *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*, edited by C. A. COELLO COELLO, pp. 3088–3095, Beijing, China, 2014.
- [413] L. KI-BAEK and K. JONG-HWAN, DMOPSO: Dual Multi-Objective Particle Swarm Optimization, in *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*, edited by C. A. COELLO COELLO, pp. 3096–3102, Beijing, China, 2014.

- [414] R. CHENG and Y. JIN, Demonstrator Selection in a Social Learning Particle Swarm Optimizer, in *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*, edited by C. A. COELLO COELLO, pp. 3103–3110, Beijing, China, 2014.
- [415] B. H. NGUYEN, B. XUE, I. LIU, and M. ZHANG, Filter Based Backward Elimination in Wrapper Based PSO for Feature Selection in Classification, in *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*, edited by C. A. COELLO COELLO, pp. 3111–3118, Beijing, China, 2014.
- [416] B. XUE, A. K. QIN, and M. ZHANG, An Archive Based Particle Swarm Optimisation for Feature Selection in Classification, in *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*, edited by C. A. COELLO COELLO, pp. 3119–3126, Beijing, China, 2014.
- [417] A. S. DA SILVA, H. MA, and M. ZHANG, A Graph-Based Particle Swarm Optimisation Approach to QoS-Aware Web Service Composition and Selection, in *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*, edited by C. A. COELLO COELLO, pp. 3127–3134, Beijing, China, 2014.
- [418] M. HARDHIENATA, V. UGRINOVSKII, and K. MERRICK, Task Allocation Under Communication Constraints Using Motivated Particle Swarm Optimization, in *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*, edited by C. A. COELLO COELLO, pp. 3135–3142, Beijing, China, 2014.
- [419] A. McNABB and K. SEPPI, Serial PSO Results are Irrelevant in a Multi-Core Parallel World, in *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*, edited by C. A. COELLO COELLO, pp. 3143–3150, Beijing, China, 2014.
- [420] M. HELBIG and A. ENGELBRECHT, Heterogeneous Dynamic Vector Evaluated Particle Swarm Optimisation for Dynamic Multi-Objective Optimisation, in *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*, edited by C. A. COELLO COELLO, pp. 3151–3159, Beijing, China, 2014.
- [421] M. LIU, J. ZHENG, J. WANG, Y. LIU, and L. JIANG, An Adaptive Diversity Introduction Method for Dynamic Evolutionary Multiobjective Optimization, in *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*, edited by C. A. COELLO COELLO, pp. 3160–3167, Beijing, China, 2014.
- [422] R. AZZOUZ, S. BECHIKH, and L. B. SAID, A Multiple Reference Point-Based Evolutionary Algorithm for Dynamic Multi-Objective Optimization with Undetectable Changes, in *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*, edited by C. A. COELLO COELLO, pp. 3168–3175, Beijing, China, 2014.
- [423] P. RAKSHIT, A. KONAR, and A. NAGAR, Artificial Bee Colony Induced Multi-Objective Optimization in Presence of Noise, in *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*, edited by C. A. COELLO COELLO, pp. 3176–3183, Beijing, China, 2014.
- [424] T. FRIEDRICH and S. MENZEL, A Cascaded Evolutionary Multi-Objective Optimization for Solving the Unbiased Universal Electric Motor Family Problem, in *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*, edited by C. A. COELLO COELLO, pp. 3184–3191, Beijing, China, 2014.
- [425] S. BISWAS, S. DAS, P. N. SUGANTHAN, and C. A. C. COELLO, Evolutionary Multiobjective Optimization in Dynamic Environments: A Set of Novel Benchmark Functions, in *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*, edited by C. A. COELLO COELLO, pp. 3192–3199, Beijing, China, 2014.
- [426] B. ZHANG, M.-X. ZHANG, and Y.-J. ZHENG, A Hybrid Biogeography-Based Optimization and Fireworks Algorithm, in *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*, edited by C. A. COELLO COELLO, pp. 3200–3206, Beijing, China, 2014.

- [427] J. LIU, S. ZHENG, and Y. TAN, Analysis on Global Convergence and Time Complexity of Fireworks Algorithm, in *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*, edited by C. A. COELLO COELLO, pp. 3207–3213, Beijing, China, 2014.
- [428] J. LI, S. ZHENG, and Y. TAN, Adaptive Fireworks Algorithm, in *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*, edited by C. A. COELLO COELLO, pp. 3214–3221, Beijing, China, 2014.
- [429] S. ZHENG, A. JANECEK, J. LI, and Y. TAN, Dynamic Search in Fireworks Algorithm, in *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*, edited by C. A. COELLO COELLO, pp. 3222–3229, Beijing, China, 2014.
- [430] S. CHENG, Y. SHI, Q. QIN, T. O. TING, and R. BAI, Maintaining Population Diversity in Brain Storm Optimization Algorithm, in *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*, edited by C. A. COELLO COELLO, pp. 3230–3237, Beijing, China, 2014.
- [431] C. YU, L. KELLEY, S. ZHENG, and Y. TAN, Fireworks Algorithm with Differential Mutation for Solving the CEC 2014 Competition Problems, in *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*, edited by C. A. COELLO COELLO, pp. 3238–3245, Beijing, China, 2014.
- [432] Z. IVAN, L. JOUNI, S. ROMAN, P. MICHAL, and D. DONALD, Evolutionary Algorithms Dynamics and Its Hidden Complex Network Structures, in *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*, edited by C. A. COELLO COELLO, pp. 3246–3251, Beijing, China, 2014.
- [433] M. SUZUKI, S. TSURUTA, R. KNAUF, and Y. SAKURAI, Knowledge Acquisition Issues for Intelligent Route Optimization by Evolutionary Computation, in *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*, edited by C. A. COELLO COELLO, pp. 3252–3257, Beijing, China, 2014.
- [434] M. MENEZES, M. GOLDBARG, and E. GOLDBARG, A Memetic Algorithm for the Prize Collecting Traveling Car Renter Problem, in *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*, edited by C. A. COELLO COELLO, pp. 3258–3265, Beijing, China, 2014.
- [435] M. WU, A. KARKAR, B. LIU, A. YAKOVLEV, and G. GIELEN, Network on Chip Optimization Based on Surrogate Model Assisted Evolutionary Algorithms, in *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*, edited by C. A. COELLO COELLO, pp. 3266–3271, Beijing, China, 2014.
- [436] X.-L. LIAO, C.-H. CHIEN, and C.-K. TING, A Genetic Algorithm for the Minimum Latency Pickup and Delivery Problem, in *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*, edited by C. A. COELLO COELLO, pp. 3272–3279, Beijing, China, 2014.
- [437] M. WEISZER, J. CHEN, S. RAVIZZA, J. ATKIN, and P. STEWART, A Heuristic Approach to Greener Airport Ground Movement, in *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*, edited by C. A. COELLO COELLO, pp. 3280–3286, Beijing, China, 2014.