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, pages 1–8, Beijing, China, 6-11 July 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, pages 9–12, Beijing, China, 6-11 July 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, pages 13–20, Beijing, China, 6-11 July 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, pages 21–27, Beijing, China, 6-11 July 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, pages 28–35, Beijing, China, 6-11 July 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, pages 36–41, Beijing, China, 6-11 July 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, pages 42–49, Beijing, China, 6-11 July 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, pages 50–57, Beijing, China, 6-11 July 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, pages 58–65, Beijing, China, 6-11 July 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, pages 66–73, Beijing, China, 6-11 July 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, pages 74–81, Beijing, China, 6-11 July 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, pages 82–88, Beijing, China, 6-11 July 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, pages 89–96, Beijing, China, 6-11 July 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, pages 97–104, Beijing, China, 6-11 July 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, pages 105–108, Beijing, China, 6-11 July 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, pages 109–116, Beijing, China, 6-11 July 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, pages 117–124, Beijing, China, 6-11 July 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, pages 125–132, Beijing, China, 6-11 July 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, pages 133–140, Beijing, China, 6-11 July 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, pages 141–148, Beijing, China, 6-11 July 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, pages 149–158, Beijing, China, 6-11 July 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, pages 159–166, Beijing, China, 6-11 July 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, pages 167–174, Beijing, China, 6-11 July 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, pages 175–182, Beijing, China, 6-11 July 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, pages 183–189, Beijing, China, 6-11 July 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, pages 190–193, Beijing, China, 6-11 July 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, pages 194–201, Beijing, China, 6-11 July 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, pages 202–209, Beijing, China, 6-11 July 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, pages 210–217, Beijing, China, 6-11 July 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, pages 218–222, Beijing, China, 6-11 July 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, pages 223–228, Beijing, China, 6-11 July 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, pages 229–234, Beijing, China, 6-11 July 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, pages 235–241, Beijing, China, 6-11 July 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, pages 242–249, Beijing, China, 6-11 July 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, pages 250–257, Beijing, China, 6-11 July 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, pages 258–265, Beijing, China, 6-11 July 2014.
- [37] I. Chaman-Garcia, C. C. Coello, and A. Arias-Montano, MOPSOhv: 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, pages 266–273, Beijing, China, 6-11 July 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, pages 274–281, Beijing, China, 6-11 July 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, pages 282–289, Beijing, China, 6-11 July 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, pages 290–297, Beijing, China, 6-11 July 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, pages 298–304, Beijing, China, 6-11 July 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, pages 305–312, Beijing, China, 6-11 July 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, pages 313–319, Beijing, China, 6-11 July 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, pages 320–325, Beijing, China, 6-11 July 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, pages 326–331, Beijing, China, 6-11 July 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, pages 332–337, Beijing, China, 6-11 July 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, pages 338–343, Beijing, China, 6-11 July 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, pages 344–351, Beijing, China, 6-11 July 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, pages 352–357, Beijing, China, 6-11 July 2014.
- [50] S. Farzan and G. DeSouza, 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, pages 358–365, Beijing, China, 6-11 July 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, pages 366–370, Beijing, China, 6-11 July 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, pages 371–378, Beijing, China, 6-11 July 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, pages 379–386, Beijing, China, 6-11 July 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, pages 387–396, Beijing, China, 6-11 July 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, pages 397–404, Beijing, China, 6-11 July 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, pages 405–412, Beijing, China, 6-11 July 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, pages 413–420, Beijing, China, 6-11 July 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, pages 421–428, Beijing, China, 6-11 July 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, pages 429–436, Beijing, China, 6-11 July 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, pages 437–444, Beijing, China, 6-11 July 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, pages 445–450, Beijing, China, 6-11 July 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, pages 451–458, Beijing, China, 6-11 July 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, pages 459–466, Beijing, China, 6-11 July 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, pages 467–474, Beijing, China, 6-11 July 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, pages 475–482, Beijing, China, 6-11 July 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, pages 483–490, Beijing, China, 6-11 July 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, pages 491–498, Beijing, China, 6-11 July 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, pages 499–503, Beijing, China, 6-11 July 2014.
- [69] D. Smullen, J. Gillett, 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, pages 504–511, Beijing, China, 6-11 July 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, pages 512–519, Beijing, China, 6-11 July 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, pages 520–527, Beijing, China, 6-11 July 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, pages 528–535, Beijing, China, 6-11 July 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, pages 536–543, Beijing, China, 6-11 July 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, pages 544–550, Beijing, China, 6-11 July 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, pages 551–557, Beijing, China, 6-11 July 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, pages 558–564, Beijing, China, 6-11 July 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, pages 565–572, Beijing, China, 6-11 July 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, pages 573–578, Beijing, China, 6-11 July 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, pages 579–586, Beijing, China, 6-11 July 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, pages 587–594, Beijing, China, 6-11 July 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, pages 595–602, Beijing, China, 6-11 July 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, pages 603–609, Beijing, China, 6-11 July 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, pages 610–617, Beijing, China, 6-11 July 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, pages 618–625, Beijing, China, 6-11 July 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, pages 626–633, Beijing, China, 6-11 July 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, pages 634–639, Beijing, China, 6-11 July 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, pages 640–646, Beijing, China, 6-11 July 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, pages 647–652, Beijing, China, 6-11 July 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, pages 653–660, Beijing, China, 6-11 July 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, pages 661–666, Beijing, China, 6-11 July 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, pages 667–671, Beijing, China, 6-11 July 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, pages 672–679, Beijing, China, 6-11 July 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, pages 680–686, Beijing, China, 6-11 July 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, pages 687–692, Beijing, China, 6-11 July 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, pages 693–699, Beijing, China, 6-11 July 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, pages 700–706, Beijing, China, 6-11 July 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, pages 707–714, Beijing, China, 6-11 July 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, pages 715–722, Beijing, China, 6-11 July 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, pages 723–730, Beijing, China, 6-11 July 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, pages 731–738, Beijing, China, 6-11 July 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, pages 739–746, Beijing, China, 6-11 July 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, pages 747–753, Beijing, China, 6-11 July 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, pages 754–761, Beijing, China, 6-11 July 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, pages 762–768, Beijing, China, 6-11 July 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, pages 769–775, Beijing, China, 6-11 July 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, pages 776–783, Beijing, China, 6-11 July 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, pages 784–791, Beijing, China, 6-11 July 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, pages 792–797, Beijing, China, 6-11 July 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, pages 798–805, Beijing, China, 6-11 July 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, pages 806–812, Beijing, China, 6-11 July 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, pages 813–818, Beijing, China, 6-11 July 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, pages 819–825, Beijing, China, 6-11 July 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, pages 826–831, Beijing, China, 6-11 July 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, pages 832–839, Beijing, China, 6-11 July 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, pages 840–844, Beijing, China, 6-11 July 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, pages 845–852, Beijing, China, 6-11 July 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, pages 853–859, Beijing, China, 6-11 July 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, pages 860–866, Beijing, China, 6-11 July 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, pages 867–872, Beijing, China, 6-11 July 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, pages 873–879, Beijing, China, 6-11 July 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, pages 880–887, Beijing, China, 6-11 July 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, pages 888–894, Beijing, China, 6-11 July 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, pages 895–902, Beijing, China, 6-11 July 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, pages 903–909, Beijing, China, 6-11 July 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, pages 910–917, Beijing, China, 6-11 July 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, pages 918–923, Beijing, China, 6-11 July 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, pages 924–929, Beijing, China, 6-11 July 2014.
- [128] G. Bello-Orgaz 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, pages 930–937, Beijing, China, 6-11 July 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, pages 938–944, Beijing, China, 6-11 July 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, pages 945–950, Beijing, China, 6-11 July 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, pages 951–958, Beijing, China, 6-11 July 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, pages 959–966, Beijing, China, 6-11 July 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, pages 967–974, Beijing, China, 6-11 July 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, pages 975–982, Beijing, China, 6-11 July 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, pages 983–990, Beijing, China, 6-11 July 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, pages 991–997, Beijing, China, 6-11 July 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, pages 998–1005, Beijing, China, 6-11 July 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, pages 1006–1013, Beijing, China, 6-11 July 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, pages 1014–1021, Beijing, China, 6-11 July 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, pages 1022–1029, Beijing, China, 6-11 July 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, pages 1030–1037, Beijing, China, 6-11 July 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, pages 1038–1045, Beijing, China, 6-11 July 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, pages 1046–1053, Beijing, China, 6-11 July 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, pages 1054–1061, Beijing, China, 6-11 July 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, pages 1062–1068, Beijing, China, 6-11 July 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, pages 1069–1075, Beijing, China, 6-11 July 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, pages 1076–1083, Beijing, China, 6-11 July 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, pages 1084–1091, Beijing, China, 6-11 July 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, pages 1092–1099, Beijing, China, 6-11 July 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, pages 1100–1107, Beijing, China, 6-11 July 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, pages 1108–1115, Beijing, China, 6-11 July 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, pages 1116–1123, Beijing, China, 6-11 July 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, pages 1124–1130, Beijing, China, 6-11 July 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, pages 1131–1138, Beijing, China, 6-11 July 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, pages 1139–1146, Beijing, China, 6-11 July 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, pages 1147–1154, Beijing, China, 6-11 July 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, pages 1155–1164, Beijing, China, 6-11 July 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, pages 1165–1171, Beijing, China, 6-11 July 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, pages 1172–1178, Beijing, China, 6-11 July 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, pages 1179–1186, Beijing, China, 6-11 July 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, pages 1187–1194, Beijing, China, 6-11 July 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, pages 1195–1201, Beijing, China, 6-11 July 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, pages 1202–1209, Beijing, China, 6-11 July 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, pages 1210–1217, Beijing, China, 6-11 July 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, pages 1218–1224, Beijing, China, 6-11 July 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, pages 1225–1231, Beijing, China, 6-11 July 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, pages 1232–1237, Beijing, China, 6-11 July 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, pages 1238–1242, Beijing, China, 6-11 July 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, pages 1243–1249, Beijing, China, 6-11 July 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, pages 1250–1257, Beijing, China, 6-11 July 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, pages 1258–1264, Beijing, China, 6-11 July 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, pages 1265–1272, Beijing, China, 6-11 July 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, pages 1273–1276, Beijing, China, 6-11 July 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, pages 1277–1284, Beijing, China, 6-11 July 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, pages 1285–1292, Beijing, China, 6-11 July 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, pages 1293–1298, Beijing, China, 6-11 July 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, pages 1299–1304, Beijing, China, 6-11 July 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, pages 1305–1312, Beijing, China, 6-11 July 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, pages 1313–1320, Beijing, China, 6-11 July 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, pages 1321–1327, Beijing, China, 6-11 July 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, pages 1328–1336, Beijing, China, 6-11 July 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, pages 1337–1342, Beijing, China, 6-11 July 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, pages 1343–1350, Beijing, China, 6-11 July 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, pages 1351–1358, Beijing, China, 6-11 July 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, pages 1359–1366, Beijing, China, 6-11 July 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, pages 1367–1373, Beijing, China, 6-11 July 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, pages 1374–1381, Beijing, China, 6-11 July 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, pages 1382–1389, Beijing, China, 6-11 July 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, pages 1390–1396, Beijing, China, 6-11 July 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, pages 1397–1404, Beijing, China, 6-11 July 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, pages 1405–1412, Beijing, China, 6-11 July 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, pages 1413–1420, Beijing, China, 6-11 July 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, pages 1421–1426, Beijing, China, 6-11 July 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, pages 1427–1434, Beijing, China, 6-11 July 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, pages 1435–1442, Beijing, China, 6-11 July 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, pages 1443–1448, Beijing, China, 6-11 July 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, pages 1449–1453, Beijing, China, 6-11 July 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, pages 1454–1460, Beijing, China, 6-11 July 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, pages 1461–1468, Beijing, China, 6-11 July 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, pages 1469–1476, Beijing, China, 6-11 July 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, pages 1477–1482, Beijing, China, 6-11 July 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, pages 1483–1489, Beijing, China, 6-11 July 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, pages 1490–1495, Beijing, China, 6-11 July 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, pages 1496–1503, Beijing, China, 6-11 July 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, pages 1504–1511, Beijing, China, 6-11 July 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, pages 1512–1519, Beijing, China, 6-11 July 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, pages 1520–1527, Beijing, China, 6-11 July 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, pages 1528–1535, Beijing, China, 6-11 July 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, pages 1536–1541, Beijing, China, 6-11 July 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, pages 1542–1549, Beijing, China, 6-11 July 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, pages 1550–1557, Beijing, China, 6-11 July 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, pages 1558–1564, Beijing, China, 6-11 July 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, pages 1565–1570, Beijing, China, 6-11 July 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, pages 1571–1578, Beijing, China, 6-11 July 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, pages 1579–1585, Beijing, China, 6-11 July 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, pages 1586–1592, Beijing, China, 6-11 July 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, pages 1593–1600, Beijing, China, 6-11 July 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, pages 1601–1608, Beijing, China, 6-11 July 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, pages 1609–1616, Beijing, China, 6-11 July 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, pages 1617–1624, Beijing, China, 6-11 July 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, pages 1625–1632, Beijing, China, 6-11 July 2014.
- [222] D. Molina, B. Lacroix, and F. Herrera, Influence of Regions on the Memetic Algorithm for the Special Session on Real-Parameter Single Objetive Optimisation, in *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*, edited by C. A. Coello Coello, pages 1633–1640, Beijing, China, 6-11 July 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, pages 1641–1649, Beijing, China, 6-11 July 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, pages 1650–1657, Beijing, China, 6-11 July 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, pages 1658–1665, Beijing, China, 6-11 July 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, pages 1666–1673, Beijing, China, 6-11 July 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, pages 1674–1681, Beijing, China, 6-11 July 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, pages 1682–1689, Beijing, China, 6-11 July 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, pages 1690–1697, Beijing, China, 6-11 July 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, pages 1698–1705, Beijing, China, 6-11 July 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, pages 1706–1713, Beijing, China, 6-11 July 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, pages 1714–1720, Beijing, China, 6-11 July 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, pages 1721–1728, Beijing, China, 6-11 July 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, pages 1729–1735, Beijing, China, 6-11 July 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, pages 1736–1743, Beijing, China, 6-11 July 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, pages 1744–1751, Beijing, China, 6-11 July 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, pages 1752–1759, Beijing, China, 6-11 July 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, pages 1760–1767, Beijing, China, 6-11 July 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, pages 1768–1775, Beijing, China, 6-11 July 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, pages 1776–1783, Beijing, China, 6-11 July 2014.
- [241] J. Angelo, E. Krempser, 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, pages 1784–1791, Beijing, China, 6-11 July 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, pages 1792–1799, Beijing, China, 6-11 July 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, pages 1800–1807, Beijing, China, 6-11 July 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, pages 1808–1815, Beijing, China, 6-11 July 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, pages 1816–1823, Beijing, China, 6-11 July 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, pages 1824–1831, Beijing, China, 6-11 July 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, pages 1832–1839, Beijing, China, 6-11 July 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, pages 1840–1846, Beijing, China, 6-11 July 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, pages 1847–1854, Beijing, China, 6-11 July 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, pages 1855–1862, Beijing, China, 6-11 July 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, pages 1863–1869, Beijing, China, 6-11 July 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, pages 1870–1877, Beijing, China, 6-11 July 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, pages 1878–1882, Beijing, China, 6-11 July 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, pages 1883–1889, Beijing, China, 6-11 July 2014.
- [255] E. Segredo, 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, pages 1890–1897, Beijing, China, 6-11 July 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, pages 1898–1905, Beijing, China, 6-11 July 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, pages 1906–1911, Beijing, China, 6-11 July 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, pages 1912–1916, Beijing, China, 6-11 July 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, pages 1917–1921, Beijing, China, 6-11 July 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, pages 1922–1928, Beijing, China, 6-11 July 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, pages 1929–1936, Beijing, China, 6-11 July 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, pages 1937–1943, Beijing, China, 6-11 July 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, pages 1944–1950, Beijing, China, 6-11 July 2014.
- [264] S. Bouaziz, A. M. Alimi, 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, pages 1951–1958, Beijing, China, 6-11 July 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, pages 1959–1966, Beijing, China, 6-11 July 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, pages 1967–1973, Beijing, China, 6-11 July 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, pages 1974–1981, Beijing, China, 6-11 July 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, pages 1982–1989, Beijing, China, 6-11 July 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, pages 1990–1997, Beijing, China, 6-11 July 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, pages 1998–2004, Beijing, China, 6-11 July 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, pages 2005–2012, Beijing, China, 6-11 July 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, pages 2013–2018, Beijing, China, 6-11 July 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, pages 2019–2026, Beijing, China, 6-11 July 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, pages 2027–2032, Beijing, China, 6-11 July 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, pages 2033–2039, Beijing, China, 6-11 July 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, pages 2040–2046, Beijing, China, 6-11 July 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, pages 2047–2054, Beijing, China, 6-11 July 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, pages 2055–2062, Beijing, China, 6-11 July 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, pages 2063–2069, Beijing, China, 6-11 July 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, pages 2070–2076, Beijing, China, 6-11 July 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, pages 2077–2084, Beijing, China, 6-11 July 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, pages 2085–2092, Beijing, China, 6-11 July 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, pages 2093–2100, Beijing, China, 6-11 July 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, pages 2101–2107, Beijing, China, 6-11 July 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, pages 2108–2115, Beijing, China, 6-11 July 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, pages 2116–2123, Beijing, China, 6-11 July 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, pages 2124–2131, Beijing, China, 6-11 July 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, pages 2132–2139, Beijing, China, 6-11 July 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, pages 2140–2147, Beijing, China, 6-11 July 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, pages 2148–2155, Beijing, China, 6-11 July 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, pages 2156–2163, Beijing, China, 6-11 July 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, pages 2164–2171, Beijing, China, 6-11 July 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, pages 2172–2179, Beijing, China, 6-11 July 2014.

- [294] M. Ali, A. Morghem, 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, pages 2180–2187, Beijing, China, 6-11 July 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, pages 2188–2195, Beijing, China, 6-11 July 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, pages 2196–2205, Beijing, China, 6-11 July 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, pages 2206–2213, Beijing, China, 6-11 July 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, pages 2214–2221, Beijing, China, 6-11 July 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, pages 2222–2229, Beijing, China, 6-11 July 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, pages 2230–2236, Beijing, China, 6-11 July 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, pages 2237–2244, Beijing, China, 6-11 July 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, pages 2245–2252, Beijing, China, 6-11 July 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, pages 2253–2258, Beijing, China, 6-11 July 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, pages 2259–2265, Beijing, China, 6-11 July 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, pages 2266–2273, Beijing, China, 6-11 July 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, pages 2274– 2281, Beijing, China, 6-11 July 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, pages 2282–2289, Beijing, China, 6-11 July 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, pages 2290–2297, Beijing, China, 6-11 July 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, pages 2298–2305, Beijing, China, 6-11 July 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, pages 2306–2313, Beijing, China, 6-11 July 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, pages 2314–2321, Beijing, China, 6-11 July 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, pages 2322–2329, Beijing, China, 6-11 July 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, pages 2330–2337, Beijing, China, 6-11 July 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, pages 2338–2344, Beijing, China, 6-11 July 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, pages 2345–2352, Beijing, China, 6-11 July 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, pages 2353–2360, Beijing, China, 6-11 July 2014.
- [317] I. Mauser, M. Dorscheid, 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, pages 2361–2366, Beijing, China, 6-11 July 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, pages 2367–2374, Beijing, China, 6-11 July 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, pages 2375–2382, Beijing, China, 6-11 July 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, pages 2383–2390, Beijing, China, 6-11 July 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, pages 2391–2396, Beijing, China, 6-11 July 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, pages 2397–2403, Beijing, China, 6-11 July 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, pages 2404–2411, Beijing, China, 6-11 July 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, pages 2412–2419, Beijing, China, 6-11 July 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, pages 2420–2427, Beijing, China, 6-11 July 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, pages 2428–2435, Beijing, China, 6-11 July 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, pages 2436–2443, Beijing, China, 6-11 July 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, pages 2444–2450, Beijing, China, 6-11 July 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, pages 2451–2458, Beijing, China, 6-11 July 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, pages 2459–2466, Beijing, China, 6-11 July 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, pages 2467–2474, Beijing, China, 6-11 July 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, pages 2475–2482, Beijing, China, 6-11 July 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, pages 2483–2490, Beijing, China, 6-11 July 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, pages 2491–2498, Beijing, China, 6-11 July 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, pages 2499–2506, Beijing, China, 6-11 July 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, pages 2507–2514, Beijing, China, 6-11 July 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, pages 2515–2523, Beijing, China, 6-11 July 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, pages 2524–2530, Beijing, China, 6-11 July 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, pages 2531–2538, Beijing, China, 6-11 July 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, pages 2539–2546, Beijing, China, 6-11 July 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, pages 2547–2552, Beijing, China, 6-11 July 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, pages 2553–2561, Beijing, China, 6-11 July 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, pages 2562–2569, Beijing, China, 6-11 July 2014.
- [344] F. Vafaee, 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, pages 2570–2577, Beijing, China, 6-11 July 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, pages 2578–2584, Beijing, China, 6-11 July 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, pages 2585–2592, Beijing, China, 6-11 July 2014.
- [347] J. Fieldsend, 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, pages 2593–2600, Beijing, China, 6-11 July 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, pages 2601–2608, Beijing, China, 6-11 July 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, pages 2609–2616, Beijing, China, 6-11 July 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, pages 2617–2624, Beijing, China, 6-11 July 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, pages 2625–2632, Beijing, China, 6-11 July 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, pages 2633–2640, Beijing, China, 6-11 July 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, pages 2641–2648, Beijing, China, 6-11 July 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, pages 2649–2655, Beijing, China, 6-11 July 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, pages 2656–2663, Beijing, China, 6-11 July 2014.
- [356] K. Ding and Y. Tan, Comparison of Random Number Generators in Particle Swarm Opimization Algorithm, in *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*, edited by C. A. Coello Coello, pages 2664–2671, Beijing, China, 6-11 July 2014.
- [357] L. Chen, H.-L. Liu, Z. Zheng, and S. Xie, A Evolutionary Algorithm Based on Covariance Matrix Leaning 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, pages 2672–2677, Beijing, China, 6-11 July 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, pages 2678–2684, Beijing, China, 6-11 July 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, pages 2685–2691, Beijing, China, 6-11 July 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, pages 2692–2699, Beijing, China, 6-11 July 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, pages 2700–2707, Beijing, China, 6-11 July 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, pages 2708–2715, Beijing, China, 6-11 July 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, pages 2716–2723, Beijing, China, 6-11 July 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, pages 2724–2731, Beijing, China, 6-11 July 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, pages 2732–2739, Beijing, China, 6-11 July 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, pages 2740–2747, Beijing, China, 6-11 July 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, pages 2748–2755, Beijing, China, 6-11 July 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, pages 2756–2763, Beijing, China, 6-11 July 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, pages 2764–2769, Beijing, China, 6-11 July 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, pages 2770–2777, Beijing, China, 6-11 July 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, pages 2778–2784, Beijing, China, 6-11 July 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, pages 2785–2792, Beijing, China, 6-11 July 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, pages 2793–2800, Beijing, China, 6-11 July 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, pages 2801–2808, Beijing, China, 6-11 July 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, pages 2809–2816, Beijing, China, 6-11 July 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, pages 2817–2824, Beijing, China, 6-11 July 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, pages 2825–2832, Beijing, China, 6-11 July 2014.
- [378] B. Kazimipour, 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, pages 2833— 2840, Beijing, China, 6-11 July 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, pages 2841–2848, Beijing, China, 6-11 July 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, pages 2849–2854, Beijing, China, 6-11 July 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, pages 2855–2860, Beijing, China, 6-11 July 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, pages 2861–2868, Beijing, China, 6-11 July 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, pages 2869–2876, Beijing, China, 6-11 July 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, pages 2877–2884, Beijing, China, 6-11 July 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, pages 2885–2892, Beijing, China, 6-11 July 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, pages 2893–2900, Beijing, China, 6-11 July 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, pages 2901–2908, Beijing, China, 6-11 July 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, pages 2909–2916, Beijing, China, 6-11 July 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, pages 2917–2924, Beijing, China, 6-11 July 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, pages 2925–2932, Beijing, China, 6-11 July 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, pages 2933–2939, Beijing, China, 6-11 July 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, pages 2940–2946, Beijing, China, 6-11 July 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, pages 2947–2954, Beijing, China, 6-11 July 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, pages 2955–2962, Beijing, China, 6-11 July 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, pages 2963–2968, Beijing, China, 6-11 July 2014.
- [396] S. Adriaensen, T. Brys, 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, pages 2969–2976, Beijing, China, 6-11 July 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, pages 2977–2984, Beijing, China, 6-11 July 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, pages 2985–2991, Beijing, China, 6-11 July 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, pages 2992–2999, Beijing, China, 6-11 July 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, pages 3000–3007, Beijing, China, 6-11 July 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, pages 3008–3015, Beijing, China, 6-11 July 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, pages 3016–3023, Beijing, China, 6-11 July 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, pages 3024–3029, Beijing, China, 6-11 July 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, pages 3030–3035, Beijing, China, 6-11 July 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, pages 3036–3043, Beijing, China, 6-11 July 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, pages 3044–3050, Beijing, China, 6-11 July 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, pages 3051–3058, Beijing, China, 6-11 July 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, pages 3059–3066, Beijing, China, 6-11 July 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, pages 3067–3072, Beijing, China, 6-11 July 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, pages 3073–3079, Beijing, China, 6-11 July 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, pages 3080–3087, Beijing, China, 6-11 July 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, pages 3088–3095, Beijing, China, 6-11 July 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, pages 3096–3102, Beijing, China, 6-11 July 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, pages 3103–3110, Beijing, China, 6-11 July 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, pages 3111–3118, Beijing, China, 6-11 July 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, pages 3119–3126, Beijing, China, 6-11 July 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, pages 3127–3134, Beijing, China, 6-11 July 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, pages 3135–3142, Beijing, China, 6-11 July 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, pages 3143–3150, Beijing, China, 6-11 July 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, pages 3151–3159, Beijing, China, 6-11 July 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, pages 3160–3167, Beijing, China, 6-11 July 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, pages 3168–3175, Beijing, China, 6-11 July 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, pages 3176–3183, Beijing, China, 6-11 July 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, pages 3184–3191, Beijing, China, 6-11 July 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, pages 3192–3199, Beijing, China, 6-11 July 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, pages 3200–3206, Beijing, China, 6-11 July 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, pages 3207–3213, Beijing, China, 6-11 July 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, pages 3214–3221, Beijing, China, 6-11 July 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, pages 3222–3229, Beijing, China, 6-11 July 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, pages 3230–3237, Beijing, China, 6-11 July 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, pages 3238–3245, Beijing, China, 6-11 July 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, pages 3246–3251, Beijing, China, 6-11 July 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, pages 3252–3257, Beijing, China, 6-11 July 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, pages 3258–3265, Beijing, China, 6-11 July 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, pages 3266–3271, Beijing, China, 6-11 July 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, pages 3272–3279, Beijing, China, 6-11 July 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, pages 3280–3286, Beijing, China, 6-11 July 2014.