

## 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*, C. A. Coello Coello, ed., pp. 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*, C. A. Coello Coello, ed., pp. 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*, C. A. Coello Coello, ed., pp. 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*, C. A. Coello Coello, ed., pp. 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*, C. A. Coello Coello, ed., pp. 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*, C. A. Coello Coello, ed., pp. 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*, C. A. Coello Coello, ed., pp. 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*, C. A. Coello Coello, ed., pp. 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*, C. A. Coello Coello, ed., pp. 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*, C. A. Coello Coello, ed., pp. 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*, C. A. Coello Coello, ed., pp. 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*, C. A. Coello Coello, ed., pp. 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*, C. A. Coello Coello, ed., pp. 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*, C. A. Coello Coello, ed., pp. 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*, C. A. Coello Coello, ed., pp. 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*, C. A. Coello Coello, ed., pp. 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*, C. A. Coello Coello, ed., pp. 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*, C. A. Coello Coello, ed., pp. 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*, C. A. Coello Coello, ed., pp. 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*, C. A. Coello Coello, ed., pp. 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*, C. A. Coello Coello, ed., pp. 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*, C. A. Coello Coello, ed., pp. 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*, C. A. Coello Coello, ed., pp. 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*, C. A. Coello Coello, ed., pp. 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*, C. A. Coello Coello, ed., pp. 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*, C. A. Coello Coello, ed., pp. 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*, C. A. Coello Coello, ed., pp. 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*, C. A. Coello Coello, ed., pp. 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*, C. A. Coello Coello, ed., pp. 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*, C. A. Coello Coello, ed., pp. 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*, C. A. Coello Coello, ed., pp. 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*, C. A. Coello Coello, ed., pp. 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*, C. A. Coello Coello, ed., pp. 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*, C. A. Coello Coello, ed., pp. 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*, C. A. Coello Coello, ed., pp. 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*, C. A. Coello Coello, ed., pp. 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*, C. A. Coello Coello, ed., pp. 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*, C. A. Coello Coello, ed., pp. 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*, C. A. Coello Coello, ed., pp. 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*, C. A. Coello Coello, ed., pp. 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*, C. A. Coello Coello, ed., pp. 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*, C. A. Coello Coello, ed., pp. 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*, C. A. Coello Coello, ed., pp. 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*, C. A. Coello Coello, ed., pp. 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*, C. A. Coello Coello, ed., pp. 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*, C. A. Coello Coello, ed., pp. 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*, C. A. Coello Coello, ed., pp. 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*, C. A. Coello Coello, ed., pp. 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*, C. A. Coello Coello, ed., pp. 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*, C. A. Coello Coello, ed., pp. 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*, C. A. Coello Coello, ed., pp. 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*, C. A. Coello Coello, ed., pp. 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*, C. A. Coello Coello, ed., pp. 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*, C. A. Coello Coello, ed., pp. 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*, C. A. Coello Coello, ed., pp. 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*, C. A. Coello Coello, ed., pp. 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*, C. A. Coello Coello, ed., pp. 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*, C. A. Coello Coello, ed., pp. 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*, C. A. Coello Coello, ed., pp. 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*, C. A. Coello Coello, ed., pp. 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*, C. A. Coello Coello, ed., pp. 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*, C. A. Coello Coello, ed., pp. 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*, C. A. Coello Coello, ed., pp. 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*, C. A. Coello Coello, ed., pp. 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*, C. A. Coello Coello, ed., pp. 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*, C. A. Coello Coello, ed., pp. 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*, C. A. Coello Coello, ed., pp. 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*, C. A. Coello Coello, ed., pp. 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*, C. A. Coello Coello, ed., pp. 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*, C. A. Coello Coello, ed., pp. 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*, C. A. Coello Coello, ed., pp. 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*, C. A. Coello Coello, ed., pp. 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*, C. A. Coello Coello, ed., pp. 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*, C. A. Coello Coello, ed., pp. 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*, C. A. Coello Coello, ed., pp. 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*, C. A. Coello Coello, ed., pp. 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*, C. A. Coello Coello, ed., pp. 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*, C. A. Coello Coello, ed., pp. 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*, C. A. Coello Coello, ed., pp. 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*, C. A. Coello Coello, ed., pp. 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*, C. A. Coello Coello, ed., pp. 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*, C. A. Coello Coello, ed., pp. 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*, C. A. Coello Coello, ed., pp. 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*, C. A. Coello Coello, ed., pp. 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*, C. A. Coello Coello, ed., pp. 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*, C. A. Coello Coello, ed., pp. 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*, C. A. Coello Coello, ed., pp. 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*, C. A. Coello Coello, ed., pp. 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*, C. A. Coello Coello, ed., pp. 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*, C. A. Coello Coello, ed., pp. 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*, C. A. Coello Coello, ed., pp. 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*, C. A. Coello Coello, ed., pp. 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*, C. A. Coello Coello, ed., pp. 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*, C. A. Coello Coello, ed., pp. 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*, C. A. Coello Coello, ed., pp. 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*, C. A. Coello Coello, ed., pp. 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*, C. A. Coello Coello, ed., pp. 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*, C. A. Coello Coello, ed., pp. 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*, C. A. Coello Coello, ed., pp. 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*, C. A. Coello Coello, ed., pp. 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*, C. A. Coello Coello, ed., pp. 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*, C. A. Coello Coello, ed., pp. 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*, C. A. Coello Coello, ed., pp. 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*, C. A. Coello Coello, ed., pp. 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*, C. A. Coello Coello, ed., pp. 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*, C. A. Coello Coello, ed., pp. 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*, C. A. Coello Coello, ed., pp. 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*, C. A. Coello Coello, ed., pp. 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*, C. A. Coello Coello, ed., pp. 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*, C. A. Coello Coello, ed., pp. 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*, C. A. Coello Coello, ed., pp. 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*, C. A. Coello Coello, ed., pp. 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*, C. A. Coello Coello, ed., pp. 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*, C. A. Coello Coello, ed., pp. 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*, C. A. Coello Coello, ed., pp. 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*, C. A. Coello Coello, ed., pp. 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*, C. A. Coello Coello, ed., pp. 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*, C. A. Coello Coello, ed., pp. 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*, C. A. Coello Coello, ed., pp. 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*, C. A. Coello Coello, ed., pp. 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*, C. A. Coello Coello, ed., pp. 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*, C. A. Coello Coello, ed., pp. 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*, C. A. Coello Coello, ed., pp. 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*, C. A. Coello Coello, ed., pp. 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*, C. A. Coello Coello, ed., pp. 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*, C. A. Coello Coello, ed., pp. 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*, C. A. Coello Coello, ed., pp. 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*, C. A. Coello Coello, ed., pp. 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*, C. A. Coello Coello, ed., pp. 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*, C. A. Coello Coello, ed., pp. 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*, C. A. Coello Coello, ed., pp. 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*, C. A. Coello Coello, ed., pp. 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*, C. A. Coello Coello, ed., pp. 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*, C. A. Coello Coello, ed., pp. 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*, C. A. Coello Coello, ed., pp. 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*, C. A. Coello Coello, ed., pp. 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*, C. A. Coello Coello, ed., pp. 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*, C. A. Coello Coello, ed., pp. 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*, C. A. Coello Coello, ed., pp. 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*, C. A. Coello Coello, ed., pp. 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*, C. A. Coello Coello, ed., pp. 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*, C. A. Coello Coello, ed., pp. 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*, C. A. Coello Coello, ed., pp. 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*, C. A. Coello Coello, ed., pp. 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*, C. A. Coello Coello, ed., pp. 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*, C. A. Coello Coello, ed., pp. 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*, C. A. Coello Coello, ed., pp. 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 MVM0," in *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*, C. A. Coello Coello, ed., pp. 1084–1091. Beijing, China, 6-11 july, 2014.

- [149] T. Kritiyakierne, 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*, C. A. Coello Coello, ed., pp. 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*, C. A. Coello Coello, ed., pp. 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*, C. A. Coello Coello, ed., pp. 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*, C. A. Coello Coello, ed., pp. 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*, C. A. Coello Coello, ed., pp. 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*, C. A. Coello Coello, ed., pp. 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*, C. A. Coello Coello, ed., pp. 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*, C. A. Coello Coello, ed., pp. 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*, C. A. Coello Coello, ed., pp. 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*, C. A. Coello Coello, ed., pp. 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*, C. A. Coello Coello, ed., pp. 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*, C. A. Coello Coello, ed., pp. 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*, C. A. Coello Coello, ed., pp. 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*, C. A. Coello Coello, ed., pp. 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*, C. A. Coello Coello, ed., pp. 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*, C. A. Coello Coello, ed., pp. 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*, C. A. Coello Coello, ed., pp. 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*, C. A. Coello Coello, ed., pp. 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*, C. A. Coello Coello, ed., pp. 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*, C. A. Coello Coello, ed., pp. 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*, C. A. Coello Coello, ed., pp. 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*, C. A. Coello Coello, ed., pp. 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*, C. A. Coello Coello, ed., pp. 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*, C. A. Coello Coello, ed., pp. 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*, C. A. Coello Coello, ed., pp. 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*, C. A. Coello Coello, ed., pp. 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*, C. A. Coello Coello, ed., pp. 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*, C. A. Coello Coello, ed., pp. 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*, C. A. Coello Coello, ed., pp. 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*, C. A. Coello Coello, ed., pp. 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*, C. A. Coello Coello, ed., pp. 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*, C. A. Coello Coello, ed., pp. 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*, C. A. Coello Coello, ed., pp. 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*, C. A. Coello Coello, ed., pp. 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*, C. A. Coello Coello, ed., pp. 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*, C. A. Coello Coello, ed., pp. 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*, C. A. Coello Coello, ed., pp. 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*, C. A. Coello Coello, ed., pp. 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*, C. A. Coello Coello, ed., pp. 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*, C. A. Coello Coello, ed., pp. 1382–1389. Beijing, China, 6-11 july, 2014.
- [189] M. R. Ameeruddin 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*, C. A. Coello Coello, ed., pp. 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*, C. A. Coello Coello, ed., pp. 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*, C. A. Coello Coello, ed., pp. 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*, C. A. Coello Coello, ed., pp. 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*, C. A. Coello Coello, ed., pp. 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*, C. A. Coello Coello, ed., pp. 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*, C. A. Coello Coello, ed., pp. 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*, C. A. Coello Coello, ed., pp. 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*, C. A. Coello Coello, ed., pp. 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*, C. A. Coello Coello, ed., pp. 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*, C. A. Coello Coello, ed., pp. 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*, C. A. Coello Coello, ed., pp. 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*, C. A. Coello Coello, ed., pp. 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*, C. A. Coello Coello, ed., pp. 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*, C. A. Coello Coello, ed., pp. 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*, C. A. Coello Coello, ed., pp. 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*, C. A. Coello Coello, ed., pp. 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*, C. A. Coello Coello, ed., pp. 1512–1519. Beijing, China, 6-11 july, 2014.
- [207] O. Matei, D. Contrás, and P. Pop, "Applying Evolutionary Computation for Evolving Ontologies," in *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*, C. A. Coello Coello, ed., pp. 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*, C. A. Coello Coello, ed., pp. 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*, C. A. Coello Coello, ed., pp. 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*, C. A. Coello Coello, ed., pp. 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*, C. A. Coello Coello, ed., pp. 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*, C. A. Coello Coello, ed., pp. 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*, C. A. Coello Coello, ed., pp. 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*, C. A. Coello Coello, ed., pp. 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*, C. A. Coello Coello, ed., pp. 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*, C. A. Coello Coello, ed., pp. 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*, C. A. Coello Coello, ed., pp. 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*, C. A. Coello Coello, ed., pp. 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*, C. A. Coello Coello, ed., pp. 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*, C. A. Coello Coello, ed., pp. 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*, C. A. Coello Coello, ed., pp. 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 Objective Optimisation," in *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*, C. A. Coello Coello, ed., pp. 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*, C. A. Coello Coello, ed., pp. 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*, C. A. Coello Coello, ed., pp. 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*, C. A. Coello Coello, ed., pp. 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*, C. A. Coello Coello, ed., pp. 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*, C. A. Coello Coello, ed., pp. 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*, C. A. Coello Coello, ed., pp. 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*, C. A. Coello Coello, ed., pp. 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*, C. A. Coello Coello, ed., pp. 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*, C. A. Coello Coello, ed., pp. 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*, C. A. Coello Coello, ed., pp. 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*, C. A. Coello Coello, ed., pp. 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*, C. A. Coello Coello, ed., pp. 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*, C. A. Coello Coello, ed., pp. 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*, C. A. Coello Coello, ed., pp. 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*, C. A. Coello Coello, ed., pp. 1752–1759. Beijing, China, 6-11 july, 2014.
- [238] R. Mallipeddi, G. Wu, M. Lee, and S. P. Nagarathnam, "Gaussian Adaptation Based Parameter Adaptation for Differential Evolution," in *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*, C. A. Coello Coello, ed., pp. 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*, C. A. Coello Coello, ed., pp. 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*, C. A. Coello Coello, ed., pp. 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*, C. A. Coello Coello, ed., pp. 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*, C. A. Coello Coello, ed., pp. 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*, C. A. Coello Coello, ed., pp. 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*, C. A. Coello Coello, ed., pp. 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*, C. A. Coello Coello, ed., pp. 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*, C. A. Coello Coello, ed., pp. 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*, C. A. Coello Coello, ed., pp. 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*, C. A. Coello Coello, ed., pp. 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*, C. A. Coello Coello, ed., pp. 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*, C. A. Coello Coello, ed., pp. 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*, C. A. Coello Coello, ed., pp. 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*, C. A. Coello Coello, ed., pp. 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*, C. A. Coello Coello, ed., pp. 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*, C. A. Coello Coello, ed., pp. 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*, C. A. Coello Coello, ed., pp. 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*, C. A. Coello Coello, ed., pp. 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*, C. A. Coello Coello, ed., pp. 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*, C. A. Coello Coello, ed., pp. 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*, C. A. Coello Coello, ed., pp. 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*, C. A. Coello Coello, ed., pp. 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*, C. A. Coello Coello, ed., pp. 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*, C. A. Coello Coello, ed., pp. 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*, C. A. Coello Coello, ed., pp. 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*, C. A. Coello Coello, ed., pp. 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*, C. A. Coello Coello, ed., pp. 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*, C. A. Coello Coello, ed., pp. 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*, C. A. Coello Coello, ed., pp. 1974–1981. Beijing, China, 6-11 july, 2014.
- [268] T. Souza, E. Goldberg, and M. Goldberg, “An Experimental Analysis of Evolutionary Algorithms for the Three-Objective Oil Derivatives Distribution Problem,” in *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*, C. A. Coello Coello, ed., pp. 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*, C. A. Coello Coello, ed., pp. 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*, C. A. Coello Coello, ed., pp. 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*, C. A. Coello Coello, ed., pp. 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*, C. A. Coello Coello, ed., pp. 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*, C. A. Coello Coello, ed., pp. 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*, C. A. Coello Coello, ed., pp. 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*, C. A. Coello Coello, ed., pp. 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*, C. A. Coello Coello, ed., pp. 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*, C. A. Coello Coello, ed., pp. 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*, C. A. Coello Coello, ed., pp. 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*, C. A. Coello Coello, ed., pp. 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*, C. A. Coello Coello, ed., pp. 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*, C. A. Coello Coello, ed., pp. 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*, C. A. Coello Coello, ed., pp. 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*, C. A. Coello Coello, ed., pp. 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*, C. A. Coello Coello, ed., pp. 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*, C. A. Coello Coello, ed., pp. 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*, C. A. Coello Coello, ed., pp. 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*, C. A. Coello Coello, ed., pp. 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*, C. A. Coello Coello, ed., pp. 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*, C. A. Coello Coello, ed., pp. 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*, C. A. Coello Coello, ed., pp. 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*, C. A. Coello Coello, ed., pp. 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*, C. A. Coello Coello, ed., pp. 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*, C. A. Coello Coello, ed., pp. 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*, C. A. Coello Coello, ed., pp. 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*, C. A. Coello Coello, ed., pp. 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*, C. A. Coello Coello, ed., pp. 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*, C. A. Coello Coello, ed., pp. 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*, C. A. Coello Coello, ed., pp. 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*, C. A. Coello Coello, ed., pp. 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*, C. A. Coello Coello, ed., pp. 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*, C. A. Coello Coello, ed., pp. 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*, C. A. Coello Coello, ed., pp. 2245–2252. Beijing, China, 6-11 july, 2014.
- [303] P. Bujok, J. Tyrdik, and R. Polakova, “Differential Evolution with Rotation-Invariant Mutation and Competing-Strategies Adaptation,” in *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*, C. A. Coello Coello, ed., pp. 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*, C. A. Coello Coello, ed., pp. 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*, C. A. Coello Coello, ed., pp. 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*, C. A. Coello Coello, ed., pp. 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*, C. A. Coello Coello, ed., pp. 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*, C. A. Coello Coello, ed., pp. 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*, C. A. Coello Coello, ed., pp. 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*, C. A. Coello Coello, ed., pp. 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*, C. A. Coello Coello, ed., pp. 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*, C. A. Coello Coello, ed., pp. 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*, C. A. Coello Coello, ed., pp. 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*, C. A. Coello Coello, ed., pp. 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*, C. A. Coello Coello, ed., pp. 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*, C. A. Coello Coello, ed., pp. 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*, C. A. Coello Coello, ed., pp. 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*, C. A. Coello Coello, ed., pp. 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*, C. A. Coello Coello, ed., pp. 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*, C. A. Coello Coello, ed., pp. 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*, C. A. Coello Coello, ed., pp. 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*, C. A. Coello Coello, ed., pp. 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*, C. A. Coello Coello, ed., pp. 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*, C. A. Coello Coello, ed., pp. 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*, C. A. Coello Coello, ed., pp. 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*, C. A. Coello Coello, ed., pp. 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*, C. A. Coello Coello, ed., pp. 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*, C. A. Coello Coello, ed., pp. 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*, C. A. Coello Coello, ed., pp. 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*, C. A. Coello Coello, ed., pp. 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*, C. A. Coello Coello, ed., pp. 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*, C. A. Coello Coello, ed., pp. 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*, C. A. Coello Coello, ed., pp. 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*, C. A. Coello Coello, ed., pp. 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*, C. A. Coello Coello, ed., pp. 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*, C. A. Coello Coello, ed., pp. 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*, C. A. Coello Coello, ed., pp. 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*, C. A. Coello Coello, ed., pp. 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*, C. A. Coello Coello, ed., pp. 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*, C. A. Coello Coello, ed., pp. 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*, C. A. Coello Coello, ed., pp. 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*, C. A. Coello Coello, ed., pp. 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*, C. A. Coello Coello, ed., pp. 2562–2569. Beijing, China, 6-11 july, 2014.
- [344] F. Vafaei, 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*, C. A. Coello Coello, ed., pp. 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*, C. A. Coello Coello, ed., pp. 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*, C. A. Coello Coello, ed., pp. 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*, C. A. Coello Coello, ed., pp. 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*, C. A. Coello Coello, ed., pp. 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*, C. A. Coello Coello, ed., pp. 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*, C. A. Coello Coello, ed., pp. 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*, C. A. Coello Coello, ed., pp. 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*, C. A. Coello Coello, ed., pp. 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*, C. A. Coello Coello, ed., pp. 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*, C. A. Coello Coello, ed., pp. 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*, C. A. Coello Coello, ed., pp. 2656–2663. Beijing, China, 6-11 july, 2014.

- [356] K. Ding and Y. Tan, "Comparison of Random Number Generators in Particle Swarm Optimization Algorithm," in *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*, C. A. Coello Coello, ed., pp. 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 Learning and Searching Preference for Solving CEC 2014 Benchmark Problems," in *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*, C. A. Coello Coello, ed., pp. 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*, C. A. Coello Coello, ed., pp. 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*, C. A. Coello Coello, ed., pp. 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*, C. A. Coello Coello, ed., pp. 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*, C. A. Coello Coello, ed., pp. 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*, C. A. Coello Coello, ed., pp. 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*, C. A. Coello Coello, ed., pp. 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*, C. A. Coello Coello, ed., pp. 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*, C. A. Coello Coello, ed., pp. 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*, C. A. Coello Coello, ed., pp. 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*, C. A. Coello Coello, ed., pp. 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*, C. A. Coello Coello, ed., pp. 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*, C. A. Coello Coello, ed., pp. 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*, C. A. Coello Coello, ed., pp. 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*, C. A. Coello Coello, ed., pp. 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*, C. A. Coello Coello, ed., pp. 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*, C. A. Coello Coello, ed., pp. 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*, C. A. Coello Coello, ed., pp. 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*, C. A. Coello Coello, ed., pp. 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*, C. A. Coello Coello, ed., pp. 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*, C. A. Coello Coello, ed., pp. 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*, C. A. Coello Coello, ed., pp. 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*, C. A. Coello Coello, ed., pp. 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*, C. A. Coello Coello, ed., pp. 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*, C. A. Coello Coello, ed., pp. 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*, C. A. Coello Coello, ed., pp. 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*, C. A. Coello Coello, ed., pp. 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*, C. A. Coello Coello, ed., pp. 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*, C. A. Coello Coello, ed., pp. 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*, C. A. Coello Coello, ed., pp. 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*, C. A. Coello Coello, ed., pp. 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*, C. A. Coello Coello, ed., pp. 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*, C. A. Coello Coello, ed., pp. 2917–2924. Beijing, China, 6-11 july, 2014.
- [390] A. Janeczek, 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*, C. A. Coello Coello, ed., pp. 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*, C. A. Coello Coello, ed., pp. 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*, C. A. Coello Coello, ed., pp. 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*, C. A. Coello Coello, ed., pp. 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*, C. A. Coello Coello, ed., pp. 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*, C. A. Coello Coello, ed., pp. 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*, C. A. Coello Coello, ed., pp. 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*, C. A. Coello Coello, ed., pp. 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*, C. A. Coello Coello, ed., pp. 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*, C. A. Coello Coello, ed., pp. 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*, C. A. Coello Coello, ed., pp. 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*, C. A. Coello Coello, ed., pp. 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*, C. A. Coello Coello, ed., pp. 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*, C. A. Coello Coello, ed., pp. 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*, C. A. Coello Coello, ed., pp. 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*, C. A. Coello Coello, ed., pp. 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*, C. A. Coello Coello, ed., pp. 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*, C. A. Coello Coello, ed., pp. 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*, C. A. Coello Coello, ed., pp. 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*, C. A. Coello Coello, ed., pp. 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*, C. A. Coello Coello, ed., pp. 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*, C. A. Coello Coello, ed., pp. 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*, C. A. Coello Coello, ed., pp. 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*, C. A. Coello Coello, ed., pp. 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*, C. A. Coello Coello, ed., pp. 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*, C. A. Coello Coello, ed., pp. 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*, C. A. Coello Coello, ed., pp. 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*, C. A. Coello Coello, ed., pp. 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*, C. A. Coello Coello, ed., pp. 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*, C. A. Coello Coello, ed., pp. 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*, C. A. Coello Coello, ed., pp. 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*, C. A. Coello Coello, ed., pp. 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*, C. A. Coello Coello, ed., pp. 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*, C. A. Coello Coello, ed., pp. 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*, C. A. Coello Coello, ed., pp. 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*, C. A. Coello Coello, ed., pp. 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*, C. A. Coello Coello, ed., pp. 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*, C. A. Coello Coello, ed., pp. 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*, C. A. Coello Coello, ed., pp. 3214–3221. Beijing, China, 6-11 july, 2014.
- [429] S. Zheng, A. Janeczek, J. Li, and Y. Tan, "Dynamic Search in Fireworks Algorithm," in *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*, C. A. Coello Coello, ed., pp. 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*, C. A. Coello Coello, ed., pp. 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*, C. A. Coello Coello, ed., pp. 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*, C. A. Coello Coello, ed., pp. 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*, C. A. Coello Coello, ed., pp. 3252–3257. Beijing, China, 6-11 july, 2014.
- [434] M. Menezes, M. Goldberg, and E. Goldberg, "A Memetic Algorithm for the Prize Collecting Traveling Car Renter Problem," in *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*, C. A. Coello Coello, ed., pp. 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*, C. A. Coello Coello, ed., pp. 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*, C. A. Coello Coello, ed., pp. 3272–3279. Beijing, China, 6-11 july, 2014.
- [437] M. Weiszner, 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*, C. A. Coello Coello, ed., pp. 3280–3286. Beijing, China, 6-11 july, 2014.