

## Список литературы

- [1] G. Lee, M. Luo, F. Zambetta, and X. Li, Learning a Super Mario controller from examples of human play, in *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*, edited by C. A. Coello Coello, pp. 1–8, Beijing, China, 2014.
- [2] T. Nguyen, K. Nguyen, and R. Thawonmas, Integrating fuzzy integral and heuristic search for unit micromanagement in RTS games, in *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*, edited by C. A. Coello Coello, pp. 9–12, Beijing, China, 2014.
- [3] D. Ashlock and P. Hingston, \*Tego - a framework for adversarial planning, in *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*, edited by C. A. Coello Coello, pp. 13–20, Beijing, China, 2014.
- [4] M. Gaudesi, E. Piccolo, G. Squillero, and A. Tonda, TURAN: Evolving non-deterministic players for the iterated prisoner’s dilemma, in *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*, edited by C. A. Coello Coello, pp. 21–27, Beijing, China, 2014.
- [5] A. Buck, T. Banerjee, and J. Keller, Evolving a fuzzy goal-driven strategy for the game of Geister, in *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*, edited by C. A. Coello Coello, pp. 28–35, Beijing, China, 2014.
- [6] H. Handa, Deep boltzmann machine for evolutionary agents of Mario AI, in *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*, edited by C. A. Coello Coello, pp. 36–41, Beijing, China, 2014.
- [7] H. F. Rahman, R. Sarker, D. Essam, and G. Chang, A memetic algorithm for solving permutation flow shop problems with known and unknown machine breakdowns, in *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*, edited by C. A. Coello Coello, pp. 42–49, Beijing, China, 2014.
- [8] A. Ma, Y. Zhong, and L. Zhang, Remote sensing imagery clustering using an adaptive bi-objective memetic method, in *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*, edited by C. A. Coello Coello, pp. 50–57, Beijing, China, 2014.
- [9] J. Ma, Y. Lei, Z. Wang, and L. Jiao, A memetic algorithm based on immune multi-objective optimization for flexible job-shop scheduling problems, in *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*, edited by C. A. Coello Coello, pp. 58–65, Beijing, China, 2014.
- [10] W. Ma, Y. Zuo, J. Zeng, S. Liang, and L. Jiao, A memetic algorithm for solving flexible job-shop scheduling problems, in *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*, edited by C. A. Coello Coello, pp. 66–73, Beijing, China, 2014.
- [11] K. Wei and M. J. Dinneen, Hybridizing the dynamic mutation approach with local searches to overcome local optima, in *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*, edited by C. A. Coello Coello, pp. 74–81, Beijing, China, 2014.
- [12] C. Liu and B. Li, Memetic algorithm with adaptive local search depth for large scale global optimization, in *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*, edited by C. A. Coello Coello, pp. 82–88, Beijing, China, 2014.
- [13] W. A. Albukhanajer, Y. Jin, and J. A. Briffa, Neural network ensembles for image identification using Pareto-optimal features, in *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*, edited by C. A. Coello Coello, pp. 89–96, Beijing, China, 2014.
- [14] A. Valsecchi, P. Mesejo, L. Marrakchi-Kacem, S. Cagnoni, and S. Damas, Automatic evolutionary medical image segmentation using deformable models, in *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*, edited by C. A. Coello Coello, pp. 97–104, Beijing, China, 2014.
- [15] G. Schaefer, B. Krawczyk, N. Doshi, and T. Nakashima, Cost-sensitive texture classification, in *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*, edited by C. A. Coello Coello, pp. 105–108, Beijing, China, 2014.

- [16] S. S. Naqvi, W. N. Browne, and C. Hollitt, Genetic algorithms based feature combination for salient object detection, for autonomously identified image domain types, in *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*, edited by C. A. Coello Coello, pp. 109–116, Beijing, China, 2014.
- [17] W. Fu, M. Johnston, and M. Zhang, Unsupervised learning for edge detection using genetic programming, in *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*, edited by C. A. Coello Coello, pp. 117–124, Beijing, China, 2014.
- [18] M. Wagner and F. Neumann, Single- and multi-objective genetic programming: New runtime results for SORTING, in *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*, edited by C. A. Coello Coello, pp. 125–132, Beijing, China, 2014.
- [19] K. Wei and M. J. Dinneen, Runtime comparison of two fitness functions on a memetic algorithm for the clique problem, in *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*, edited by C. A. Coello Coello, pp. 133–140, Beijing, China, 2014.
- [20] J. He, M. Boris, and Y. Zhou, A theoretical assessment of solution quality in evolutionary algorithms for the knapsack problem, in *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*, edited by C. A. Coello Coello, pp. 141–148, Beijing, China, 2014.
- [21] Y. Yu and H. Qian, The sampling-and-learning framework: A statistical view of evolutionary algorithms, in *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*, edited by C. A. Coello Coello, pp. 149–158, Beijing, China, 2014.
- [22] A. Chotard, A. Auger, and N. Hansen, Markov chain analysis of evolution strategies on a linear constraint optimization problem, in *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*, edited by C. A. Coello Coello, pp. 159–166, Beijing, China, 2014.
- [23] T. Everitt, T. Lattimore, and M. Hutter, Free lunch for optimisation under the universal distribution, in *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*, edited by C. A. Coello Coello, pp. 167–174, Beijing, China, 2014.
- [24] N. Arana-Daniel, A. A. Gallegos, C. Lopez-Franco, and A. Y. Alanis, Smooth global and local path planning for mobile robot using particle swarm optimization, radial basis functions, splines and Bezier curves, in *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*, edited by C. A. Coello Coello, pp. 175–182, Beijing, China, 2014.
- [25] L. Wang, B. Yang, Y. Li, and N. Zhang, A novel improvement of particle swarm optimization using dual factors strategy, in *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*, edited by C. A. Coello Coello, pp. 183–189, Beijing, China, 2014.
- [26] T. Xiang, W. Zhang, and F. Chen, A verifiable PSO algorithm in cloud computing, in *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*, edited by C. A. Coello Coello, pp. 190–193, Beijing, China, 2014.
- [27] X. Zong, S. Xiong, H. Xu, and P. Duan, Space-time simulation model based on particle swarm optimization algorithm for stadium evacuation, in *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*, edited by C. A. Coello Coello, pp. 194–201, Beijing, China, 2014.
- [28] M. Campos and R. Krohling, Bare bones particle swarm with scale mixtures of Gaussians for dynamic constrained optimization, in *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*, edited by C. A. Coello Coello, pp. 202–209, Beijing, China, 2014.
- [29] G. Zhang and Y. Li, Cooperative particle swarm optimizer with elimination mechanism for global optimization of multimodal problems, in *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*, edited by C. A. Coello Coello, pp. 210–217, Beijing, China, 2014.
- [30] P. Yan and M. Jiao, A chaotic particle swarm optimization algorithm for the jobshop scheduling problem, in *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*, edited by C. A. Coello Coello, pp. 218–222, Beijing, China, 2014.

- [31] W. Dong, J. Tian, X. Tang, K. Sheng, and J. Liu, Autonomous learning adaptation for particle swarm optimization, in *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*, edited by C. A. Coello Coello, pp. 223–228, Beijing, China, 2014.
- [32] N. Wu, Z. Zhu, and Z. Ji, A growing partitioned clustering based on particle swarm optimization, in *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*, edited by C. A. Coello Coello, pp. 229–234, Beijing, China, 2014.
- [33] F. Kuang, Z. Jin, W. Xu, and S. Zhang, A novel chaotic artificial bee colony algorithm based on tent map, in *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*, edited by C. A. Coello Coello, pp. 235–241, Beijing, China, 2014.
- [34] M.-R. Chen, W. Zeng, G.-Q. Zeng, X. Li, and J.-P. Luo, A novel artificial bee colony algorithm with integration of extremal optimization for numerical optimization problems, in *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*, edited by C. A. Coello Coello, pp. 242–249, Beijing, China, 2014.
- [35] F. Lauri and A. Koukam, Hybrid ACO/EA algorithms applied to the multi-agent patrolling problem, in *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*, edited by C. A. Coello Coello, pp. 250–257, Beijing, China, 2014.
- [36] Y. Zeng and Y. Sun, Comparison of multiobjective particle swarm optimization and evolutionary algorithms for optimal reactive power dispatch problem, in *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*, edited by C. A. Coello Coello, pp. 258–265, Beijing, China, 2014.
- [37] I. Chaman-Garcia, C. C. Coello, and A. Arias-Montano, MOPSOhv: A new hypervolume-based multi-objective particle swarm optimizer, in *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*, edited by C. A. Coello Coello, pp. 266–273, Beijing, China, 2014.
- [38] Z. Peng, J. Zheng, and J. Zou, A population diversity maintaining strategy based on dynamic environment evolutionary model for dynamic multiobjective optimization, in *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*, edited by C. A. Coello Coello, pp. 274–281, Beijing, China, 2014.
- [39] L. Carvalho and M. Fernandes, Multi-objective flexible job-shop scheduling problem with DIPSO: More diversity, greater efficiency, in *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*, edited by C. A. Coello Coello, pp. 282–289, Beijing, China, 2014.
- [40] X.-B. Hu, M. Wang, and M. S. Leeson, Calculating the complete Pareto front for a special class of continuous multi-objective optimization problems, in *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*, edited by C. A. Coello Coello, pp. 290–297, Beijing, China, 2014.
- [41] R. Lara-Cabrera, C. Cotta, and A. J. Fernandez-Leiva, A self-adaptive evolutionary approach to the evolution of aesthetic maps for a RTS game, in *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*, edited by C. A. Coello Coello, pp. 298–304, Beijing, China, 2014.
- [42] Y. Cai and J. Du, Enhanced differential evolution with adaptive direction information, in *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*, edited by C. A. Coello Coello, pp. 305–312, Beijing, China, 2014.
- [43] M. Lotif, Visualizing the population of meta-heuristics during the optimization process using self-organizing maps, in *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*, edited by C. A. Coello Coello, pp. 313–319, Beijing, China, 2014.
- [44] K. Lin, X. Wang, X. Li, and Y. Tan, Self-adaptive morphable model based multi-view non-cooperative 3D face reconstruction, in *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*, edited by C. A. Coello Coello, pp. 320–325, Beijing, China, 2014.
- [45] A. Turkey and S. Abdullah, Using electromagnetic algorithm for tuning the structure and parameters of neural networks, in *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*, edited by C. A. Coello Coello, pp. 326–331, Beijing, China, 2014.

- [46] Z. Li, Z. Shang, J. J. Liang, and B. Y. Qu, Feature selection based on manifold-learning with dynamic constraint-handling differential evolution, in *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*, edited by C. A. Coello Coello, pp. 332–337, Beijing, China, 2014.
- [47] J. Viegas, S. Vieira, J. Sousa, and E. Henriques, Metaheuristics for the 3D bin packing problem in the steel industry, in *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*, edited by C. A. Coello Coello, pp. 338–343, Beijing, China, 2014.
- [48] A. Gonzalez-Pardo and D. Camacho, A new CSP graph-based representation to resource-constrained project scheduling problem, in *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*, edited by C. A. Coello Coello, pp. 344–351, Beijing, China, 2014.
- [49] H. Liu, J. Zhou, X. Wu, and P. Yuan, Optimization algorithm for rectangle packing problem based on varied-factor genetic algorithm and lowest front-line strategy, in *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*, edited by C. A. Coello Coello, pp. 352–357, Beijing, China, 2014.
- [50] S. Farzan and G. DeSouza, A parallel evolutionary solution for the inverse kinematics of generic robotic manipulators, in *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*, edited by C. A. Coello Coello, pp. 358–365, Beijing, China, 2014.
- [51] C. Yue, Z. Zexuan, and J. Zhen, Feature extraction based on trimmed complex network representation for metabolomic data classification, in *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*, edited by C. A. Coello Coello, pp. 366–370, Beijing, China, 2014.
- [52] K. Tamura and K. Yasuda, Primary study on feedback controlled differential evolution, in *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*, edited by C. A. Coello Coello, pp. 371–378, Beijing, China, 2014.
- [53] W. Yu and L. Lu, A route planning strategy for the automatic garment cutter based on genetic algorithm, in *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*, edited by C. A. Coello Coello, pp. 379–386, Beijing, China, 2014.
- [54] R. E. Lopez-Herrejon, J. Ferrer, F. Chicano, A. Egyed, and E. Alba, Comparative analysis of classical multi-objective evolutionary algorithms and seeding strategies for pairwise testing of software product lines, in *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*, edited by C. A. Coello Coello, pp. 387–396, Beijing, China, 2014.
- [55] Y. Li, A. Zhou, and G. Zhang, An MOEA/D with multiple differential evolution mutation operators, in *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*, edited by C. A. Coello Coello, pp. 397–404, Beijing, China, 2014.
- [56] T. Brands, L. Wismans, and E. van Berkum, Multi-objective transportation network design: Accelerating search by applying e-NSGAII, in *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*, edited by C. A. Coello Coello, pp. 405–412, Beijing, China, 2014.
- [57] G. Acampora, H. Ishibuchi, and A. Vitiello, A comparison of multi-objective evolutionary algorithms for the ontology meta-matching problem, in *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*, edited by C. A. Coello Coello, pp. 413–420, Beijing, China, 2014.
- [58] A. Mohammadi, M. N. Omidvar, X. Li, and K. Deb, Integrating user preferences and decomposition methods for many-objective optimization, in *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*, edited by C. A. Coello Coello, pp. 421–428, Beijing, China, 2014.
- [59] S. Z. Martinez and C. A. C. Coello, A multi-objective evolutionary algorithm based on decomposition for constrained multi-objective optimization, in *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*, edited by C. A. Coello Coello, pp. 429–436, Beijing, China, 2014.

- [60] K. S. Georgieva and A. P. Engelbrecht, Cooperative DynDE for temporal data clustering, in *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*, edited by C. A. Coello Coello, pp. 437–444, Beijing, China, 2014.
- [61] J. J. Liang, B. Zheng, B. Y. Qu, and H. Song, Multi-objective differential evolution algorithm based on fast sorting and a novel constraints handling technique, in *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*, edited by C. A. Coello Coello, pp. 445–450, Beijing, China, 2014.
- [62] J. Aalto and J. Lampinen, A mutation and crossover adaptation mechanism for differential evolution algorithm, in *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*, edited by C. A. Coello Coello, pp. 451–458, Beijing, China, 2014.
- [63] C. Segura, C. A. C. Coello, E. Segredo, and C. Leon, An analysis of the automatic adaptation of the crossover rate in differential evolution, in *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*, edited by C. A. Coello Coello, pp. 459–466, Beijing, China, 2014.
- [64] A. K. Qin, K. Tang, H. Pan, and S. Xia, Self-adaptive differential evolution with local search chains for real-parameter single-objective optimization, in *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*, edited by C. A. Coello Coello, pp. 467–474, Beijing, China, 2014.
- [65] R. Amin, J. Tang, M. Ellejmi, S. Kirby, and H. A. Abbass, Trading-off simulation fidelity and optimization accuracy in air-traffic experiments using differential evolution, in *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*, edited by C. A. Coello Coello, pp. 475–482, Beijing, China, 2014.
- [66] S. Bennett, S. Nguyen, and M. Zhang, A hybrid discrete particle swarm optimisation method for grid computation scheduling, in *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*, edited by C. A. Coello Coello, pp. 483–490, Beijing, China, 2014.
- [67] T. Cui, S. Cheng, and R. Bai, A combinatorial algorithm for the cardinality constrained portfolio optimization problem, in *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*, edited by C. A. Coello Coello, pp. 491–498, Beijing, China, 2014.
- [68] N. R. Sabar and G. Kendall, Using harmony search with multiple pitch adjustment operators for the portfolio selection problem, in *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*, edited by C. A. Coello Coello, pp. 499–503, Beijing, China, 2014.
- [69] D. Smullen, J. Gillett, J. Heron, and S. Rahnamayan, Genetic algorithm with self-adaptive mutation controlled by chromosome similarity, in *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*, edited by C. A. Coello Coello, pp. 504–511, Beijing, China, 2014.
- [70] J. J. Yu, A. Y. Lam, and V. O. Li, Chemical reaction optimization for the set covering problem, in *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*, edited by C. A. Coello Coello, pp. 512–519, Beijing, China, 2014.
- [71] N. R. Sabar and G. Kendall, Aircraft landing problem using hybrid differential evolution and simple descent algorithm, in *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*, edited by C. A. Coello Coello, pp. 520–527, Beijing, China, 2014.
- [72] B. Li, R. Chiong, and L. Gong, Search-evasion path planning for submarines using the artificial bee colony algorithm, in *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*, edited by C. A. Coello Coello, pp. 528–535, Beijing, China, 2014.
- [73] E. Fatnassi, O. Chebbi, and J. Chaouachi, A bee colony algorithm for routing guided automated battery-operated electric vehicles in personal rapid transit systems, in *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*, edited by C. A. Coello Coello, pp. 536–543, Beijing, China, 2014.
- [74] C. W. Fong, H. Asmuni, W. S. Lam, B. McCollum, and P. McMullan, A novel hybrid approach for curriculum based course timetabling problem, in *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*, edited by C. A. Coello Coello, pp. 544–550, Beijing, China, 2014.

- [75] O. Bulut and M. F. Tasgetiren, A discrete artificial bee colony algorithm for the economic lot scheduling problem with returns, in *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*, edited by C. A. Coello Coello, pp. 551–557, Beijing, China, 2014.
- [76] Y.-C. Liang, H.-L. Chen, and Y.-H. Nien, Artificial bee colony for workflow scheduling, in *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*, edited by C. A. Coello Coello, pp. 558–564, Beijing, China, 2014.
- [77] A. Madureira, B. Cunha, and I. Pereira, Cooperation mechanism for distributed resource scheduling through artificial bee colony based self-organized scheduling system, in *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*, edited by C. A. Coello Coello, pp. 565–572, Beijing, China, 2014.
- [78] N. D. Jana, S. Das, and J. Sil, Particle swarm optimization with population adaptation, in *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*, edited by C. A. Coello Coello, pp. 573–578, Beijing, China, 2014.
- [79] M. Liu, H. Singh, and T. Ray, A benchmark generator for dynamic capacitated arc routing problems, in *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*, edited by C. A. Coello Coello, pp. 579–586, Beijing, China, 2014.
- [80] H. Yu Zheng, L. Wang, and S. Yao Wang, A co-evolutionary teaching-learning-based optimization algorithm for stochastic RCPSP, in *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*, edited by C. A. Coello Coello, pp. 587–594, Beijing, China, 2014.
- [81] M. Liu, H. Singh, and T. Ray, A memetic algorithm with a new split scheme for solving dynamic capacitated arc routing problems, in *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*, edited by C. A. Coello Coello, pp. 595–602, Beijing, China, 2014.
- [82] Z. Yuan, Y. Chen, and R. He, Agile earth observing satellites mission planning using genetic algorithm based on high quality initial solutions, in *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*, edited by C. A. Coello Coello, pp. 603–609, Beijing, China, 2014.
- [83] J. Tang and H. A. Abbass, Behavioral learning of aircraft landing sequencing using a society of probabilistic finite state machines, in *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*, edited by C. A. Coello Coello, pp. 610–617, Beijing, China, 2014.
- [84] R. Hunt, M. Johnston, and M. Zhang, Evolving machine-specific dispatching rules for a two-machine job shop using genetic programming, in *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*, edited by C. A. Coello Coello, pp. 618–625, Beijing, China, 2014.
- [85] X. Zheng, L. Wang, and S. Wang, An enhanced non-dominated sorting based fruit fly optimization algorithm for solving environmental economic dispatch problem, in *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*, edited by C. A. Coello Coello, pp. 626–633, Beijing, China, 2014.
- [86] B. Niu, T. Xie, Q. Duan, and L. Tan, Particle swarm optimization for integrated yard truck scheduling and storage allocation problem, in *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*, edited by C. A. Coello Coello, pp. 634–639, Beijing, China, 2014.
- [87] T. Liu, C. Sun, J. Zeng, and Y. Jin, Similarity- and reliability-assisted fitness estimation for particle swarm optimization of expensive problems, in *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*, edited by C. A. Coello Coello, pp. 640–646, Beijing, China, 2014.
- [88] B. Niu and Y. Bi, Binary bacterial foraging optimization for solving 0/1 knapsack problem, in *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*, edited by C. A. Coello Coello, pp. 647–652, Beijing, China, 2014.
- [89] D. Kizilay, M. F. Tasgetiren, O. Bulut, and B. Bostan, A discrete artificial bee colony algorithm for the parallel machine scheduling problem in DY0 painting company, in *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*, edited by C. A. Coello Coello, pp. 653–660, Beijing, China, 2014.

- [90] F. Wang, Y. Gao, and Z. Zhu, Locality-sensitive hashing based multiobjective memetic algorithm for dynamic pickup and delivery problems, in *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*, edited by C. A. Coello Coello, pp. 661–666, Beijing, China, 2014.
- [91] J. Wu *et al.*, A compression optimization algorithm for community detection, in *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*, edited by C. A. Coello Coello, pp. 667–671, Beijing, China, 2014.
- [92] S. Wang, M. Gong, L. Ma, Q. Cai, and L. Jiao, Decomposition based multiobjective evolutionary algorithm for collaborative filtering recommender systems, in *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*, edited by C. A. Coello Coello, pp. 672–679, Beijing, China, 2014.
- [93] C. Mu, J. Xie, R. Liu, and L. Jiao, A memetic algorithm using local structural information for detecting community structure in complex networks, in *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*, edited by C. A. Coello Coello, pp. 680–686, Beijing, China, 2014.
- [94] X. Song, J. Ji, C. Yang, and X. Zhang, Ant colony clustering based on sampling for community detection, in *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*, edited by C. A. Coello Coello, pp. 687–692, Beijing, China, 2014.
- [95] L. Kuang *et al.*, A differential evolution box-covering algorithm for fractal dimension on complex networks, in *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*, edited by C. A. Coello Coello, pp. 693–699, Beijing, China, 2014.
- [96] C. Mu, J. Zhang, and L. Jiao, An intelligent ant colony optimization for community detection in complex networks, in *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*, edited by C. A. Coello Coello, pp. 700–706, Beijing, China, 2014.
- [97] Y. Zhang, G. Dai, L. Peng, and M. Wang, HMOEDA\_LLE: A hybrid multi-objective estimation of distribution algorithm combining locally linear embedding, in *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*, edited by C. A. Coello Coello, pp. 707–714, Beijing, China, 2014.
- [98] B. Liu, Q. Chen, Q. Zhang, G. Gielen, and V. Grout, Behavioral study of the surrogate model-aware evolutionary search framework, in *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*, edited by C. A. Coello Coello, pp. 715–722, Beijing, China, 2014.
- [99] H. Zhang, S. Song, A. Zhou, and X.-Z. Gao, A clustering based multiobjective evolutionary algorithm, in *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*, edited by C. A. Coello Coello, pp. 723–730, Beijing, China, 2014.
- [100] X. Li, W. He, and K. Hirasawa, Creating stock trading rules using graph-based estimation of distribution algorithm, in *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*, edited by C. A. Coello Coello, pp. 731–738, Beijing, China, 2014.
- [101] P.-K. Wong, L.-Y. Lo, M.-L. Wong, and K.-S. Leung, Grammar based genetic programming with Bayesian network, in *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*, edited by C. A. Coello Coello, pp. 739–746, Beijing, China, 2014.
- [102] B. Krawczyk, I. Triguero, S. Garcia, M. Wozniak, and F. Herrera, A first attempt on evolutionary prototype reduction for nearest neighbor one-class classification, in *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*, edited by C. A. Coello Coello, pp. 747–753, Beijing, China, 2014.
- [103] R. Liu, X. Niu, and L. Jiao, A multi-swarm particle swarm optimization with orthogonal learning for locating and tracking multiple optima in dynamic environments, in *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*, edited by C. A. Coello Coello, pp. 754–761, Beijing, China, 2014.

- [104] J. Liu, Y. He, and Y. Hu, Regression ensemble with PSO algorithms based fuzzy integral, in *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*, edited by C. A. Coello Coello, pp. 762–768, Beijing, China, 2014.
- [105] S. Jiang and S. Yang, An improved quantum-behaved particle swarm optimization based on linear interpolation, in *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*, edited by C. A. Coello Coello, pp. 769–775, Beijing, China, 2014.
- [106] H. Oh and Y. Jin, Evolving hierarchical gene regulatory networks for morphogenetic pattern formation of swarm robotics, in *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*, edited by C. A. Coello Coello, pp. 776–783, Beijing, China, 2014.
- [107] Z. Zheng, J. Li, J. Li, and Y. Tan, Avoiding decoys in multiple targets searching problems using swarm robotics, in *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*, edited by C. A. Coello Coello, pp. 784–791, Beijing, China, 2014.
- [108] J. Liu, B. gen Cai, and J. Wang, Particle swarm optimization for integrity monitoring in BDS/DR based railway train positioning, in *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*, edited by C. A. Coello Coello, pp. 792–797, Beijing, China, 2014.
- [109] X. Li, W. He, and K. Hirasawa, Learning and evolution of genetic network programming with knowledge transfer, in *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*, edited by C. A. Coello Coello, pp. 798–805, Beijing, China, 2014.
- [110] M. Yang, Z. Cai, C. Li, and J. Guan, An improved JADE algorithm for global optimization, in *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*, edited by C. A. Coello Coello, pp. 806–812, Beijing, China, 2014.
- [111] S. Feng, S. Tan, and J. Lu, Characterizing the impact of selection on the evolution of cooperation in complex networks, in *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*, edited by C. A. Coello Coello, pp. 813–818, Beijing, China, 2014.
- [112] M. Yu, X. Zuo, and C. C. Murray, A tabu search heuristic for the single row layout problem with shared clearances, in *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*, edited by C. A. Coello Coello, pp. 819–825, Beijing, China, 2014.
- [113] C. Gao, T. Weise, and J. Li, A weighting-based local search heuristic algorithm for the set covering problem, in *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*, edited by C. A. Coello Coello, pp. 826–831, Beijing, China, 2014.
- [114] M. Schlueter and M. Munetomo, Parallelization for space trajectory optimization, in *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*, edited by C. A. Coello Coello, pp. 832–839, Beijing, China, 2014.
- [115] Q. Jiang *et al.*, Optimal approximation of stable linear systems with a novel and efficient optimization algorithm, in *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*, edited by C. A. Coello Coello, pp. 840–844, Beijing, China, 2014.
- [116] A. Bolufe-Rohler and S. Chen, Extending minimum population search towards large scale global optimization, in *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*, edited by C. A. Coello Coello, pp. 845–852, Beijing, China, 2014.
- [117] B. Zhang, J. hua Duan, H. yan Sang, J. qing Li, and H. Yan, A new penalty function method for constrained optimization using harmony search algorithm, in *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*, edited by C. A. Coello Coello, pp. 853–859, Beijing, China, 2014.
- [118] D. Davendra, R. Senkerik, I. Zelinka, and M. Pluhacek, Scatter search algorithm with chaos based stochasticity, in *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*, edited by C. A. Coello Coello, pp. 860–866, Beijing, China, 2014.



- [119] S. Akhmedova and E. Semenkin, Co-operation of biology related algorithms meta-heuristic in ANN-based classifiers design, in *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*, edited by C. A. Coello Coello, pp. 867–872, Beijing, China, 2014.
- [120] D. Felipe, E. F. G. Goldberg, and M. C. Goldberg, Scientific algorithms for the car renter salesman problem, in *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*, edited by C. A. Coello Coello, pp. 873–879, Beijing, China, 2014.
- [121] S. Watanabe, Y. Chiba, and M. Kanazaki, A proposal on analysis support system based on association rule analysis for non-dominated solutions, in *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*, edited by C. A. Coello Coello, pp. 880–887, Beijing, China, 2014.
- [122] X. Zhou, W. Peng, and B. Yang, GEAS: A GA-ES-mixed algorithm for parameterized optimization problems - using CLS problem as an example, in *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*, edited by C. A. Coello Coello, pp. 888–894, Beijing, China, 2014.
- [123] M. Alvares, F. Buarque, and T. Marwala, Application of computational intelligence for source code classification, in *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*, edited by C. A. Coello Coello, pp. 895–902, Beijing, China, 2014.
- [124] X.-B. Hu and M. S. Leeson, Genetic algorithm with spatial receding horizon control for the optimization of facility locations, in *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*, edited by C. A. Coello Coello, pp. 903–909, Beijing, China, 2014.
- [125] J. Reps, U. Aickelin, and J. Garibaldi, Tuning a multiple classifier system for side effect discovery using genetic algorithms, in *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*, edited by C. A. Coello Coello, pp. 910–917, Beijing, China, 2014.
- [126] J. Zhang, C. Zhang, T. Chu, and M. Cao, Cooperation with potential leaders in evolutionary game study of networking agents, in *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*, edited by C. A. Coello Coello, pp. 918–923, Beijing, China, 2014.
- [127] P. Duan, S. Xiong, Z. Hu, Q. Chen, and X. Zhong, Multi-objective optimization model based on steady degree for teaching building evacuation, in *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*, edited by C. A. Coello Coello, pp. 924–929, Beijing, China, 2014.
- [128] G. Bello-Orgaz and D. Camacho, Evolutionary clustering algorithm for community detection using graph-based information, in *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*, edited by C. A. Coello Coello, pp. 930–937, Beijing, China, 2014.
- [129] M. Nishiyama and H. Iba, Applying conversion matrix to robots for imitating motion using genetic algorithms, in *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*, edited by C. A. Coello Coello, pp. 938–944, Beijing, China, 2014.
- [130] F. Manfrini, H. Barbosa, and H. Bernadino, Optimization of combinational logic circuits through decomposition of truth table and evolution of sub-circuits, in *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*, edited by C. A. Coello Coello, pp. 945–950, Beijing, China, 2014.
- [131] B. H. T. Thanh, L. T. Van, H. N. Xuan, A. N. Duc, and T. P. Manh, Reordering dimensions for radial visualization of multidimensional data - a genetic algorithms approach, in *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*, edited by C. A. Coello Coello, pp. 951–958, Beijing, China, 2014.
- [132] E. Q. Silva, C. G. Camilo-Junior, L. M. L. Pascoal, and T. C. Rosa, An evolutionary approach for combining results of recommender systems techniques based on collaborative filtering, in *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*, edited by C. A. Coello Coello, pp. 959–966, Beijing, China, 2014.

- [133] C. Bu, W. Luo, and T. Zhu, Differential evolution with a species-based repair strategy for constrained optimization, in *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*, edited by C. A. Coello Coello, pp. 967–974, Beijing, China, 2014.
- [134] M.-Y. Ameca-Alducin, E. Mezura-Montes, and N. Cruz-Ramirez, Differential evolution with combined variants for dynamic constrained optimization, in *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*, edited by C. A. Coello Coello, pp. 975–982, Beijing, China, 2014.
- [135] H. Singh, M. Asafuddoula, and T. Ray, Solving problems with a mix of hard and soft constraints using modified infeasibility driven evolutionary algorithm (IDEA-M), in *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*, edited by C. A. Coello Coello, pp. 983–990, Beijing, China, 2014.
- [136] N. Hamza, R. Sarker, and D. Essam, Differential evolution with a constraint consensus mutation for solving optimization problems, in *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*, edited by C. A. Coello Coello, pp. 991–997, Beijing, China, 2014.
- [137] D. Poole, C. Allen, and T. Rendall, Constraint handling in agent-based optimization by independent sub-swarms, in *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*, edited by C. A. Coello Coello, pp. 998–1005, Beijing, China, 2014.
- [138] S. Elsayed, R. Sarker, and D. Essam, United multi-operator evolutionary algorithms, in *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*, edited by C. A. Coello Coello, pp. 1006–1013, Beijing, China, 2014.
- [139] M. S. Nobile, A. G. Citrolo, P. Cazzaniga, D. Besozzi, and G. Mauri, A memetic hybrid method for the molecular distance geometry problem with incomplete information, in *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*, edited by C. A. Coello Coello, pp. 1014–1021, Beijing, China, 2014.
- [140] J. A. Thompson and C. B. Congdon, GAMI-CRM: Using de novo motif inference to detect cis-regulatory modules, in *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*, edited by C. A. Coello Coello, pp. 1022–1029, Beijing, China, 2014.
- [141] W. Pang and G. Coghill, An immune network approach to learning qualitative models of biological pathways, in *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*, edited by C. A. Coello Coello, pp. 1030–1037, Beijing, China, 2014.
- [142] Y. Chen, Y. Shang, and D. Xu, Multi-dimensional scaling and MODELLER-based evolutionary algorithms for protein model refinement, in *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*, edited by C. A. Coello Coello, pp. 1038–1045, Beijing, China, 2014.
- [143] A. Chowdhury, P. Rakshit, A. Konar, and A. Nagar, A modified bat algorithm to predict protein-protein interaction network, in *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*, edited by C. A. Coello Coello, pp. 1046–1053, Beijing, China, 2014.
- [144] L. Peterson, Evolutionary algorithms applied to likelihood function maximization during Poisson, logistic, and Cox proportional hazards regression analysis, in *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*, edited by C. A. Coello Coello, pp. 1054–1061, Beijing, China, 2014.
- [145] S. Elsayed, T. Ray, and R. Sarker, A surrogate-assisted differential evolution algorithm with dynamic parameters selection for solving expensive optimization problems, in *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*, edited by C. A. Coello Coello, pp. 1062–1068, Beijing, China, 2014.
- [146] H. Singh, A. Isaacs, and T. Ray, A hybrid surrogate based algorithm (HSBA) to solve computationally expensive optimization problems, in *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*, edited by C. A. Coello Coello, pp. 1069–1075, Beijing, China, 2014.

- [147] S. Biswas, M. A. Eita, S. Das, and A. V. Vasilakos, Evaluating the performance of group counseling optimizer on CEC 2014 problems for computational expensive optimization, in *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*, edited by C. A. Coello Coello, pp. 1076–1083, Beijing, China, 2014.
- [148] I. Erlich, J. L. Rueda, and S. Wildenhues, Solving the IEEE-CEC 2014 expensive optimization test problems by using single-particle MVMO, in *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*, edited by C. A. Coello Coello, pp. 1084–1091, Beijing, China, 2014.
- [149] T. Krityakierne, J. Mueller, and C. Shoemaker, SO-MODS: Optimization for high dimensional computationally expensive multi-modal functions with surrogate search, in *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*, edited by C. A. Coello Coello, pp. 1092–1099, Beijing, China, 2014.
- [150] A. Rosales-Perez, H. J. Escalante, C. A. C. Coello, J. A. Gonzalez, and C. A. Reyes-Garcia, An evolutionary multi-objective approach for prototype generation, in *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*, edited by C. A. Coello Coello, pp. 1100–1107, Beijing, China, 2014.
- [151] P. Cheng, J.-S. Pan, and C.-W. Lin, Use EMO to protect sensitive knowledge in association rule mining by removing items, in *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*, edited by C. A. Coello Coello, pp. 1108–1115, Beijing, China, 2014.
- [152] E. Debie, K. Shafi, K. Merrick, and C. Lokan, An online evolutionary rule learning algorithm with incremental attribute discretization, in *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*, edited by C. A. Coello Coello, pp. 1116–1123, Beijing, China, 2014.
- [153] L. Yexing, C. Xinye, F. Zhun, and Z. Qingfu, An external archive guided multiobjective evolutionary approach based on decomposition for continuous optimization, in *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*, edited by C. A. Coello Coello, pp. 1124–1130, Beijing, China, 2014.
- [154] F. Bourennani, S. Rahnamayan, and G. F. Naterer, Multi-objective differential evolution with leadership enhancement (MODEL), in *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*, edited by C. A. Coello Coello, pp. 1131–1138, Beijing, China, 2014.
- [155] S. Bandaru, A. Ng, and K. Deb, On the performance of classification algorithms for learning Pareto-dominance relations, in *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*, edited by C. A. Coello Coello, pp. 1139–1146, Beijing, China, 2014.
- [156] R. C. Purshouse, K. Deb, M. M. Mansor, S. Mostaghim, and R. Wang, A review of hybrid evolutionary multiple criteria decision making methods, in *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*, edited by C. A. Coello Coello, pp. 1147–1154, Beijing, China, 2014.
- [157] A. Alhindi and Q. Zhang, MOEA/D with tabu search for multiobjective permutation flow shop scheduling problems, in *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*, edited by C. A. Coello Coello, pp. 1155–1164, Beijing, China, 2014.
- [158] Y. ming Cheung and F. Gu, Online objective reduction for many-objective optimization problems, in *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*, edited by C. A. Coello Coello, pp. 1165–1171, Beijing, China, 2014.
- [159] S. B. Gee and K. C. Tan, Diversity preservation with hybrid recombination for evolutionary multiobjective optimization, in *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*, edited by C. A. Coello Coello, pp. 1172–1178, Beijing, China, 2014.
- [160] S. Alicino and M. Vasile, An evolutionary approach to the solution of multi-objective min-max problems in evidence-based robust optimization, in *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*, edited by C. A. Coello Coello, pp. 1179–1186, Beijing, China, 2014.

- [161] C. Luo, K. Shimoyama, and S. Obayashi, Kriging model based many-objective optimization with efficient calculation of expected hypervolume improvement, in *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*, edited by C. A. Coello Coello, pp. 1187–1194, Beijing, China, 2014.
- [162] T. Sudo, Y. Nojima, and H. Ishibuchi, Effects of ensemble action selection on the evolution of iterated prisoner’s dilemma game strategies, in *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*, edited by C. A. Coello Coello, pp. 1195–1201, Beijing, China, 2014.
- [163] J. Tsang, The structure of a probabilistic 2-state finite transducer representation for prisoner’s dilemma, in *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*, edited by C. A. Coello Coello, pp. 1202–1209, Beijing, China, 2014.
- [164] C. Scheepers and A. Engelbrecht, Competitive coevolutionary training of simple soccer agents from zero knowledge, in *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*, edited by C. A. Coello Coello, pp. 1210–1217, Beijing, China, 2014.
- [165] G. Greenwood, S. Elsayed, R. Sarker, and H. Abbass, Online generation of trajectories for autonomous vehicles using a multi-agent system, in *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*, edited by C. A. Coello Coello, pp. 1218–1224, Beijing, China, 2014.
- [166] S.-M. Lee and H. Myung, A cooperative coevolutionary approach to multi-robot formation control, in *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*, edited by C. A. Coello Coello, pp. 1225–1231, Beijing, China, 2014.
- [167] M. Li and C. O’Riordan, Graph centrality measures and the robustness of cooperation, in *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*, edited by C. A. Coello Coello, pp. 1232–1237, Beijing, China, 2014.
- [168] S. H. Ling, P. P. San, H. K. Lam, and H. Nguyen, Non-invasive detection of hypoglycemic episodes in type1 diabetes using intelligent hybrid rough neural system, in *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*, edited by C. A. Coello Coello, pp. 1238–1242, Beijing, China, 2014.
- [169] K. Y. Chan, N. Rajakaruna, C. Rathnayake, and I. Murray, Image deblurring using a hybrid optimization algorithm, in *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*, edited by C. A. Coello Coello, pp. 1243–1249, Beijing, China, 2014.
- [170] M. Yuwono, S. W. Su, B. D. Moulton, Y. Guo, and H. T. Nguyen, An algorithm for scalable clustering: Ensemble rapid centroid estimation, in *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*, edited by C. A. Coello Coello, pp. 1250–1257, Beijing, China, 2014.
- [171] J.-C. Yu and Z.-F. Liang, Evolutionary regional network modeling for efficient engineering optimization, in *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*, edited by C. A. Coello Coello, pp. 1258–1264, Beijing, China, 2014.
- [172] F. Li, Y. Zhang, and H. Li, Quantum bacterial foraging optimization algorithm, in *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*, edited by C. A. Coello Coello, pp. 1265–1272, Beijing, China, 2014.
- [173] W.-Y. Liu and C.-C. Lin, A cultural algorithm for spatial forest harvest scheduling, in *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*, edited by C. A. Coello Coello, pp. 1273–1276, Beijing, China, 2014.
- [174] S. Ye, G. Dai, and L. Peng, A hybrid adaptive coevolutionary differential evolution algorithm for large-scale optimization, in *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*, edited by C. A. Coello Coello, pp. 1277–1284, Beijing, China, 2014.
- [175] S. Mahdavi, M. E. Shiri, and S. Rahnamayan, Cooperative co-evolution with a new decomposition method for large-scale optimization, in *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*, edited by C. A. Coello Coello, pp. 1285–1292, Beijing, China, 2014.

- [176] F. Wei, Y. Wang, and T. Zong, Variable grouping based differential evolution using an auxiliary function for large scale global optimization, in *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*, edited by C. A. Coello Coello, pp. 1293–1298, Beijing, China, 2014.
- [177] S. Wang, X. Zuo, and X. Zhao, Solving dynamic double-row layout problem via an improved simulated annealing algorithm, in *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*, edited by C. A. Coello Coello, pp. 1299–1304, Beijing, China, 2014.
- [178] M. N. Omidvar, Y. Mei, and X. Li, Effective decomposition of large-scale separable continuous functions for cooperative co-evolutionary algorithms, in *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*, edited by C. A. Coello Coello, pp. 1305–1312, Beijing, China, 2014.
- [179] Y. Mei, X. Li, and X. Yao, Variable neighborhood decomposition for large scale capacitated arc routing problem, in *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*, edited by C. A. Coello Coello, pp. 1313–1320, Beijing, China, 2014.
- [180] Q. Ni, C. Cao, and X. Yin, A new dynamic probabilistic particle swarm optimization with dynamic random population topology, in *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*, edited by C. A. Coello Coello, pp. 1321–1327, Beijing, China, 2014.
- [181] J. Gu and X. Shi, An adaptive PSO based on motivation mechanism and acceleration restraint operator, in *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*, edited by C. A. Coello Coello, pp. 1328–1336, Beijing, China, 2014.
- [182] W. Zhang, Y. Gao, and C. Zhang, The enhanced vector of convergence for particle swarm optimization based on constrict factor, in *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*, edited by C. A. Coello Coello, pp. 1337–1342, Beijing, China, 2014.
- [183] X. Xu, L. Lu, P. He, J. Ding, and Y. Ju, Evolutionary semi-supervised learning with swarm intelligence, in *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*, edited by C. A. Coello Coello, pp. 1343–1350, Beijing, China, 2014.
- [184] J. Zhang, X. Zhu, W. Wang, and J. Yao, A fast restarting particle swarm optimizer, in *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*, edited by C. A. Coello Coello, pp. 1351–1358, Beijing, China, 2014.
- [185] Z. Li, J. Zhang, W. Wang, and J. Yao, Dimensions cooperate by Euclidean metric in particle swarm optimization, in *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*, edited by C. A. Coello Coello, pp. 1359–1366, Beijing, China, 2014.
- [186] Y. Li, X. Tian, L. Jiao, and X. Zhang, Biclustering of gene expression data using particle swarm optimization integrated with pattern-driven local search, in *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*, edited by C. A. Coello Coello, pp. 1367–1373, Beijing, China, 2014.
- [187] L. Shuai, Z. Wang, and T. Gong, Simulating the coevolution of language and long-term memory, in *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*, edited by C. A. Coello Coello, pp. 1374–1381, Beijing, China, 2014.
- [188] G. Chen, W. Luo, and T. Zhu, Evolutionary clustering with differential evolution, in *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*, edited by C. A. Coello Coello, pp. 1382–1389, Beijing, China, 2014.
- [189] M. R. 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*, edited by C. A. Coello Coello, pp. 1390–1396, Beijing, China, 2014.
- [190] S.-W. Chen and T.-C. Chiang, Evolutionary many-objective optimization by MO-NSGA-II with enhanced mating selection, in *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*, edited by C. A. Coello Coello, pp. 1397–1404, Beijing, China, 2014.

- [191] Y. Luo, S. Huang, and J. Hu, A niching two-layered differential evolution with self-adaptive control parameters, in *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*, edited by C. A. Coello Coello, pp. 1405–1412, Beijing, China, 2014.
- [192] V. Lattarulo, B. A. Lindley, and G. T. Parks, Application of the MOAA for the optimization of CORAIL assemblies for nuclear reactors, in *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*, edited by C. A. Coello Coello, pp. 1413–1420, Beijing, China, 2014.
- [193] P. Pop and C. Chira, A hybrid approach based on genetic algorithms for solving the clustered vehicle routing problem, in *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*, edited by C. A. Coello Coello, pp. 1421–1426, Beijing, China, 2014.
- [194] J. Montgomery, S. Chen, and Y. Gonzalez-Fernandez, Identifying and exploiting the scale of a search space in differential evolution, in *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*, edited by C. A. Coello Coello, pp. 1427–1434, Beijing, China, 2014.
- [195] A. Ksibi, A. B. Ammar, and C. B. Amar, Enhancing relevance re-ranking using nature-inspired meta-heuristic optimization algorithms, in *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*, edited by C. A. Coello Coello, pp. 1435–1442, Beijing, China, 2014.
- [196] P. Kromer, I. Zelinka, and V. Snasel, Can deterministic chaos improve differential evolution for the linear ordering problem?, in *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*, edited by C. A. Coello Coello, pp. 1443–1448, Beijing, China, 2014.
- [197] J. Zhang and D. Maringer, Two parameter update schemes for recurrent reinforcement learning, in *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*, edited by C. A. Coello Coello, pp. 1449–1453, Beijing, China, 2014.
- [198] Z. Li, Z. Shang, J. J. Liang, and B. Y. Qu, Differential evolution strategy based on the constraint of fitness values classification, in *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*, edited by C. A. Coello Coello, pp. 1454–1460, Beijing, China, 2014.
- [199] S. Htiouech and S. Bouamama, A Lagrangian and surrogate information enhanced tabu search for the MMKP, in *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*, edited by C. A. Coello Coello, pp. 1461–1468, Beijing, China, 2014.
- [200] P. Yang, K. Tang, and J. A. Lozano, Estimation of distribution algorithms based unmanned aerial vehicle path planner using a new coordinate, in *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*, edited by C. A. Coello Coello, pp. 1469–1476, Beijing, China, 2014.
- [201] H. Wu, F. Zhang, and L. Wu, An uncultivated wolf pack algorithm for high-dimensional functions and its application in parameters optimization of PID controller, in *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*, edited by C. A. Coello Coello, pp. 1477–1482, Beijing, China, 2014.
- [202] L. Marchetti, V. Manca, and I. Zelinka, On the inference of deterministic chaos: Evolutionary algorithm and metabolic P system approaches, in *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*, edited by C. A. Coello Coello, pp. 1483–1489, Beijing, China, 2014.
- [203] M. Yang, R. Li, and T. Chu, A new method and application for controlling the steady-state probability distributions of probabilistic Boolean networks, in *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*, edited by C. A. Coello Coello, pp. 1490–1495, Beijing, China, 2014.
- [204] T. He and K. C. Chan, Evolutionary community detection in social networks, in *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*, edited by C. A. Coello Coello, pp. 1496–1503, Beijing, China, 2014.
- [205] M. O’Neill, M. Nicolau, and A. Agapitos, Experiments in program synthesis with grammatical evolution: A focus on integer sorting, in *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*, edited by C. A. Coello Coello, pp. 1504–1511, Beijing, China, 2014.

- [206] L. M. L. Pascoal, C. G. Camilo-Junior, E. Q. Silva, and T. C. Rosa, A social-evolutionary approach to compose a similarity function used on event recommendation, in *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*, edited by C. A. Coello Coello, pp. 1512–1519, Beijing, China, 2014.
- [207] O. Matei, D. Contrás, and P. Pop, Applying evolutionary computation for evolving ontologies, in *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*, edited by C. A. Coello Coello, pp. 1520–1527, Beijing, China, 2014.
- [208] Y. Guo, M. Chen, H. Fu, and Y. Liu, Find robust solutions over time by two-layer multi-objective optimization method, in *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*, edited by C. A. Coello Coello, pp. 1528–1535, Beijing, China, 2014.
- [209] S. Hui and N. S. Ponnuthurai, Niching-based self-adaptive ensemble DE with MMTS for solving dynamic optimization problems, in *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*, edited by C. A. Coello Coello, pp. 1536–1541, Beijing, China, 2014.
- [210] M. Mavrovouniotis and S. Yang, Interactive and non-interactive hybrid immigrants schemes for ant algorithms in dynamic environments, in *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*, edited by C. A. Coello Coello, pp. 1542–1549, Beijing, China, 2014.
- [211] H. Fu, P. Lewis, B. Sendhoff, K. Tang, and X. Yao, What are dynamic optimization problems?, in *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*, edited by C. A. Coello Coello, pp. 1550–1557, Beijing, China, 2014.
- [212] C. K. Chow and S. Y. Yuen, A dynamic history-driven evolutionary algorithm, in *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*, edited by C. A. Coello Coello, pp. 1558–1564, Beijing, China, 2014.
- [213] Z.-H. Zhan and J. Zhang, Adaptive particle swarm optimization with variable relocation for dynamic optimization problems, in *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*, edited by C. A. Coello Coello, pp. 1565–1570, Beijing, China, 2014.
- [214] P.-C. Chang and X. He, Macroscopic indeterminacy swarm optimization (MISO) algorithm for real-parameter search, in *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*, edited by C. A. Coello Coello, pp. 1571–1578, Beijing, China, 2014.
- [215] Y. Jiang, Z. Yang, Z. Hao, Y. Wang, and H. He, A cooperative honey bee mating algorithm and its application in multi-threshold image segmentation, in *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*, edited by C. A. Coello Coello, pp. 1579–1585, Beijing, China, 2014.
- [216] C.-H. Chou, H. Chia-Ling, and P.-C. Chang, A RFID network design methodology for decision problem in health care, in *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*, edited by C. A. Coello Coello, pp. 1586–1592, Beijing, China, 2014.
- [217] W. Shang-Chia, Y. Wei-Chang, and Y. Tso-Jung, Pareto simplified swarm optimization for grid-computing reliability and service makespan in grid-RMS, in *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*, edited by C. A. Coello Coello, pp. 1593–1600, Beijing, China, 2014.
- [218] X. Xu and M. Tang, A new grouping genetic algorithm for the mapreduce placement problem in cloud computing, in *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*, edited by C. A. Coello Coello, pp. 1601–1608, Beijing, China, 2014.
- [219] Z. M. Yusoh and M. Tang, Composite SaaS scaling in cloud computing using a hybrid genetic algorithm, in *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*, edited by C. A. Coello Coello, pp. 1609–1616, Beijing, China, 2014.
- [220] C. Xu, H. Huang, and S. Ye, A differential evolution with replacement strategy for real-parameter numerical optimization, in *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*, edited by C. A. Coello Coello, pp. 1617–1624, Beijing, China, 2014.

- [221] I. Erlich, J. L. Rueda, and S. Wildenhues, Evaluating the mean-variance mapping optimization on the IEEE-CEC 2014 test suite, in *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*, edited by C. A. Coello Coello, pp. 1625–1632, Beijing, China, 2014.
- [222] D. Molina, B. Lacroix, and F. Herrera, Influence of regions on the memetic algorithm for the special session on real-parameter single objective optimisation, in *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*, edited by C. A. Coello Coello, pp. 1633–1640, Beijing, China, 2014.
- [223] R. Garden and A. Engelbrecht, Analysis and classification of optimisation benchmark functions and benchmark suites, in *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*, edited by C. A. Coello Coello, pp. 1641–1649, Beijing, China, 2014.
- [224] S. Elsayed, R. Sarker, D. Essam, and N. Hamza, Testing united multi-operator evolutionary algorithms on the CEC2014 real-parameter numerical optimization, in *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*, edited by C. A. Coello Coello, pp. 1650–1657, Beijing, China, 2014.
- [225] R. Tanabe and A. Fukunaga, Improving the search performance of SHADE using linear population size reduction, in *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*, edited by C. A. Coello Coello, pp. 1658–1665, Beijing, China, 2014.
- [226] S. K. K. Santu, M. M. Rahman, M. M. Islam, and K. Murase, Towards better generalization in Pittsburgh learning classifier systems, in *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*, edited by C. A. Coello Coello, pp. 1666–1673, Beijing, China, 2014.
- [227] S. Scardapane, D. Comminiello, M. Scarpiniti, and A. Uncini, GP-based kernel evolution for L2-regularization networks, in *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*, edited by C. A. Coello Coello, pp. 1674–1681, Beijing, China, 2014.
- [228] X. Li, W. He, and K. Hirasawa, Generalized classifier system: Evolving classifiers with cyclic conditions, in *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*, edited by C. A. Coello Coello, pp. 1682–1689, Beijing, China, 2014.
- [229] P.-M. Lee and T.-C. Hsiao, Applying LCS to affective images classification in spatial-frequency domain, in *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*, edited by C. A. Coello Coello, pp. 1690–1697, Beijing, China, 2014.
- [230] T. T. Nguyen, A. W.-C. Liew, M. T. Tran, X. C. Pham, and M. P. Nguyen, A novel genetic algorithm approach for simultaneous feature and classifier selection in multi classifier system, in *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*, edited by C. A. Coello Coello, pp. 1698–1705, Beijing, China, 2014.
- [231] K. Glette and P. Kaufmann, Lookup table partial reconfiguration for an evolvable hardware classifier system, in *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*, edited by C. A. Coello Coello, pp. 1706–1713, Beijing, China, 2014.
- [232] A. Pat, Ant colony optimization and hypergraph covering problems, in *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*, edited by C. A. Coello Coello, pp. 1714–1720, Beijing, China, 2014.
- [233] P. He *et al.*, Confidence-based ant random walks, in *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*, edited by C. A. Coello Coello, pp. 1721–1728, Beijing, China, 2014.
- [234] E. Kaszkurewicz, A. Bhaya, J. Jayadeva, and J. M. M. da Silva, The coupled EigenAnt algorithm for shortest path problems, in *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*, edited by C. A. Coello Coello, pp. 1729–1735, Beijing, China, 2014.
- [235] L. Dawson and I. Stewart, Accelerating ant colony optimization-based edge detection on the GPU using CUDA, in *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*, edited by C. A. Coello Coello, pp. 1736–1743, Beijing, China, 2014.



- [236] Z. Wu and M. Kolonko, Absorption in model-based search algorithms for combinatorial optimization, in *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*, edited by C. A. Coello Coello, pp. 1744–1751, Beijing, China, 2014.
- [237] M. Mavrovouniotis and S. Yang, Elitism-based immigrants for ant colony optimization in dynamic environments: Adapting the replacement rate, in *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*, edited by C. A. Coello Coello, pp. 1752–1759, Beijing, China, 2014.
- [238] R. Mallipeddi, G. Wu, M. Lee, and S. P. Nagaratnam, Gaussian adaptation based parameter adaptation for differential evolution, in *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*, edited by C. A. Coello Coello, pp. 1760–1767, Beijing, China, 2014.
- [239] H. Salehinejad, S. Rahnamayan, and H. R. Tizhoosh, Toward using type-II opposition in optimization, in *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*, edited by C. A. Coello Coello, pp. 1768–1775, Beijing, China, 2014.
- [240] H. Liu, Z. Wu, H. Wang, S. Rahnamayan, and C. Deng, Improved differential evolution with adaptive opposition strategy, in *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*, edited by C. A. Coello Coello, pp. 1776–1783, Beijing, China, 2014.
- [241] J. Angelo, E. Krempser, and H. Barbosa, Differential evolution assisted by a surrogate model for bilevel programming problems, in *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*, edited by C. A. Coello Coello, pp. 1784–1791, Beijing, China, 2014.
- [242] E. Minisci and M. Vasile, Adaptive inflationary differential evolution, in *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*, edited by C. A. Coello Coello, pp. 1792–1799, Beijing, China, 2014.
- [243] S. Rahnamayan, J. Jesuthasan, F. Bourennani, H. Salehinejad, and G. F. Naterer, Computing opposition by involving entire population, in *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*, edited by C. A. Coello Coello, pp. 1800–1807, Beijing, China, 2014.
- [244] X. Li, W. He, and K. Hirasawa, Adaptive genetic network programming, in *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*, edited by C. A. Coello Coello, pp. 1808–1815, Beijing, China, 2014.
- [245] T. Weise, M. Wan, K. Tang, and X. Yao, Evolving exact integer algorithms with genetic programming, in *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*, edited by C. A. Coello Coello, pp. 1816–1823, Beijing, China, 2014.
- [246] S. Nguyen, M. Zhang, and M. Johnston, A sequential genetic programming method to learn forward construction heuristics for order acceptance and scheduling, in *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*, edited by C. A. Coello Coello, pp. 1824–1831, Beijing, China, 2014.
- [247] C. Xie and L. Shang, Anomaly detection in crowded scenes using genetic programming, in *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*, edited by C. A. Coello Coello, pp. 1832–1839, Beijing, China, 2014.
- [248] Y. Yu, H. Ma, and M. Zhang, A genetic programming approach to distributed QoS-aware web service composition, in *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*, edited by C. A. Coello Coello, pp. 1840–1846, Beijing, China, 2014.
- [249] T. Kren and R. Neruda, Generating lambda term individuals in typed genetic programming using forgetful A\*, in *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*, edited by C. A. Coello Coello, pp. 1847–1854, Beijing, China, 2014.
- [250] L. P. Cota, M. N. Haddad, M. J. F. Souza, and V. N. Coelho, AIRP: A heuristic algorithm for solving the unrelated parallel machine scheduling problem, in *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*, edited by C. A. Coello Coello, pp. 1855–1862, Beijing, China, 2014.

- [251] J. Grobler, A. P. Engelbrecht, G. Kendall, and V. Yadavalli, Heuristic space diversity management in a meta-hyper-heuristic framework, in *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*, edited by C. A. Coello Coello, pp. 1863–1869, Beijing, China, 2014.
- [252] A. Sinha, P. Malo, and K. Deb, An improved bilevel evolutionary algorithm based on quadratic approximations, in *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*, edited by C. A. Coello Coello, pp. 1870–1877, Beijing, China, 2014.
- [253] L. Ke, A cooperative approach between metaheuristic and branch-and-price for the team orienteering problem with time windows, in *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*, edited by C. A. Coello Coello, pp. 1878–1882, Beijing, China, 2014.
- [254] Y.-J. Zheng, B. Zhang, and Z. Cheng, Hyper-heuristics with penalty parameter adaptation for constrained optimization, in *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*, edited by C. A. Coello Coello, pp. 1883–1889, Beijing, China, 2014.
- [255] E. Segredo, C. Segura, and C. Leon, Control of numeric and symbolic parameters with a hybrid scheme based on fuzzy logic and hyper-heuristics, in *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*, edited by C. A. Coello Coello, pp. 1890–1897, Beijing, China, 2014.
- [256] E. Sayed, D. Essam, R. Sarker, and S. Elsayed, A decomposition-based algorithm for dynamic economic dispatch problems, in *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*, edited by C. A. Coello Coello, pp. 1898–1905, Beijing, China, 2014.
- [257] J. Ding, S. Song, R. Zhang, and C. Wu, Minimizing makespan for a no-wait flowshop using tabu mechanism improved iterated greedy algorithm, in *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*, edited by C. A. Coello Coello, pp. 1906–1911, Beijing, China, 2014.
- [258] M. Ruello, F. Grimaccia, M. Mussetta, and R. E. Zich, Black-hole PSO and SNO for electromagnetic optimization, in *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*, edited by C. A. Coello Coello, pp. 1912–1916, Beijing, China, 2014.
- [259] X. Qian, M. Huang, T. Gao, and X. Wang, An improved ant colony algorithm for winner determination in multi-attribute combinatorial reverse auction, in *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*, edited by C. A. Coello Coello, pp. 1917–1921, Beijing, China, 2014.
- [260] M. Pandiyan, Soft computing techniques based optimal tuning of virtual feedback PID controller for chemical tank reactor, in *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*, edited by C. A. Coello Coello, pp. 1922–1928, Beijing, China, 2014.
- [261] K. Harrison, B. Ombuki-Berman, and A. Engelbrecht, Dynamic multi-objective optimization using charged vector evaluated particle swarm optimization, in *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*, edited by C. A. Coello Coello, pp. 1929–1936, Beijing, China, 2014.
- [262] E. Mesa, J. D. Velasquez, and P. Jaramillo, A new self-adaptive PSO based on the identification of planar regions, in *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*, edited by C. A. Coello Coello, pp. 1937–1943, Beijing, China, 2014.
- [263] P.-C. Tsai, C.-M. Chen, and Y. ping Chen, PSO-based evacuation simulation framework, in *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*, edited by C. A. Coello Coello, pp. 1944–1950, Beijing, China, 2014.
- [264] S. Bouaziz, A. M. Alimi, and A. Abraham, PSO-based update memory for improved harmony search algorithm to the evolution of FBBFNT’ parameters, in *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*, edited by C. A. Coello Coello, pp. 1951–1958, Beijing, China, 2014.
- [265] C. Jariyatantiwait and G. Yen, Fuzzy multiobjective differential evolution using performance metrics feedback, in *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*, edited by C. A. Coello Coello, pp. 1959–1966, Beijing, China, 2014.

- [266] S. Y. Yuen and X. Zhang, Multiobjective evolutionary algorithm portfolio: Choosing suitable algorithm for multiobjective optimization problem, in *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*, edited by C. A. Coello Coello, pp. 1967–1973, Beijing, China, 2014.
- [267] R. Shang, K. Zhang, and L. Jiao, A novel algorithm for many-objective dimension reductions: Pareto-PCA-NSGA-II, in *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*, edited by C. A. Coello Coello, pp. 1974–1981, Beijing, China, 2014.
- [268] T. Souza, E. Goldbarg, and M. Goldbarg, An experimental analysis of evolutionary algorithms for the three-objective oil derivatives distribution problem, in *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*, edited by C. A. Coello Coello, pp. 1982–1989, Beijing, China, 2014.
- [269] M. F. Leung, S. C. Ng, C. C. Cheung, and A. K. Lui, A new strategy for finding good local guides in MOPSO, in *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*, edited by C. A. Coello Coello, pp. 1990–1997, Beijing, China, 2014.
- [270] J. J. Yu, V. O. Li, and A. Y. Lam, An inter-molecular adaptive collision scheme for chemical reaction optimization, in *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*, edited by C. A. Coello Coello, pp. 1998–2004, Beijing, China, 2014.
- [271] D. Poole, C. Allen, and T. Rendall, Analysis of constraint handling methods for the gravitational search algorithm, in *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*, edited by C. A. Coello Coello, pp. 2005–2012, Beijing, China, 2014.
- [272] Z. Cai, S. Wen, and L. Liu, Distributed wireless sensor scheduling for multi-target tracking based on matrix-coded parallel genetic algorithm, in *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*, edited by C. A. Coello Coello, pp. 2013–2018, Beijing, China, 2014.
- [273] J. Ding, L. Chen, Q. Xie, T. Chai, and X. Zheng, Effect of pseudo gradient on differential evolutionary for global numerical optimization, in *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*, edited by C. A. Coello Coello, pp. 2019–2026, Beijing, China, 2014.
- [274] M. Li, T. Ji, P. Wu, S. He, and Q. Wu, Protein folding estimation using paired-bacteria optimizer, in *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*, edited by C. A. Coello Coello, pp. 2027–2032, Beijing, China, 2014.
- [275] X. wei Zheng, D. jie Lu, and Z. hua Chen, A self-adaptive group search optimizer with elitist strategy, in *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*, edited by C. A. Coello Coello, pp. 2033–2039, Beijing, China, 2014.
- [276] J. Xu, X. Xi, and S. Wang, Optimization based on adaptive hinging hyperplanes and genetic algorithm, in *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*, edited by C. A. Coello Coello, pp. 2040–2046, Beijing, China, 2014.
- [277] T. Zhu, W. Luo, and L. Yue, Combining multipopulation evolutionary algorithms with memory for dynamic optimization problems, in *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*, edited by C. A. Coello Coello, pp. 2047–2054, Beijing, China, 2014.
- [278] H. Salehinejad, S. Rahnamayan, and H. R. Tizhoosh, Micro-differential evolution with vectorized random mutation factor, in *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*, edited by C. A. Coello Coello, pp. 2055–2062, Beijing, China, 2014.
- [279] S. Gao, Z. Liu, C. Dai, and X. Geng, Application of BPSO with GA in model-based fault diagnosis of traction substation, in *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*, edited by C. A. Coello Coello, pp. 2063–2069, Beijing, China, 2014.
- [280] X. Du and X. Chang, Performance of AI algorithms for mining meaningful roles, in *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*, edited by C. A. Coello Coello, pp. 2070–2076, Beijing, China, 2014.

- [281] J. Li and J. Zhang, Using estimation of distribution algorithm to coordinate decentralized learning automata for meta-task scheduling, in *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*, edited by C. A. Coello Coello, pp. 2077–2084, Beijing, China, 2014.
- [282] H. Chatbri, P. Kwan, and K. Kameyama, A modular approach for query spotting in document images and its optimization using genetic algorithms, in *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*, edited by C. A. Coello Coello, pp. 2085–2092, Beijing, China, 2014.
- [283] X. Zhu, W. Luo, and T. Zhu, An improved genetic algorithm for dynamic shortest path problems, in *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*, edited by C. A. Coello Coello, pp. 2093–2100, Beijing, China, 2014.
- [284] C.-L. Wu, C.-H. Liu, and C.-K. Ting, A novel genetic algorithm considering measures and phrases for generating melody, in *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*, edited by C. A. Coello Coello, pp. 2101–2107, Beijing, China, 2014.
- [285] Z. Shi, Y. Peng, and W. Wei, Optimal sizing of DGs and storage for microgrid with interruptible load using improved NSGA-II, in *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*, edited by C. A. Coello Coello, pp. 2108–2115, Beijing, China, 2014.
- [286] R. B. R., Lion algorithm for standard and large scale bilinear system identification: A global optimization based on lion’s social behavior, in *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*, edited by C. A. Coello Coello, pp. 2116–2123, Beijing, China, 2014.
- [287] Y. Wang and J. Yin, Intelligent search optimized edge potential function (EPF) approach to synthetic aperture radar (SAR) scene matching, in *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*, edited by C. A. Coello Coello, pp. 2124–2131, Beijing, China, 2014.
- [288] Z. Wang, Q. Zhang, M. Gong, and A. Zhou, A replacement strategy for balancing convergence and diversity in MOEA/D, in *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*, edited by C. A. Coello Coello, pp. 2132–2139, Beijing, China, 2014.
- [289] M. Li, S. Yang, and X. Liu, A test problem for visual investigation of high-dimensional multi-objective search, in *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*, edited by C. A. Coello Coello, pp. 2140–2147, Beijing, China, 2014.
- [290] A. Menchaca-Mendez and C. A. C. Coello, MD-MOEA : A new MOEA based on the maximin fitness function and Euclidean distances between solutions, in *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*, edited by C. A. Coello Coello, pp. 2148–2155, Beijing, China, 2014.
- [291] H. Li, Q. Zhang, and J. Deng, Multiobjective test problems with complicated Pareto fronts: Difficulties in degeneracy, in *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*, edited by C. A. Coello Coello, pp. 2156–2163, Beijing, China, 2014.
- [292] L. Souza, R. Prudencio, and F. Barros, A comparison study of binary multi-objective particle swarm optimization approaches for test case selection, in *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*, edited by C. A. Coello Coello, pp. 2164–2171, Beijing, China, 2014.
- [293] M. Pilat and R. Neruda, The effect of different local search algorithms on the performance of multi-objective optimizers, in *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*, edited by C. A. Coello Coello, pp. 2172–2179, Beijing, China, 2014.
- [294] M. Ali *et al.*, Cultural algorithms applied to the evolution of robotic soccer team tactics: A novel perspective, in *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*, edited by C. A. Coello Coello, pp. 2180–2187, Beijing, China, 2014.
- [295] T. Juan, A. Jose, and C. Mariela, Cultural learning for multi-agent system and its application to fault management, in *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*, edited by C. A. Coello Coello, pp. 2188–2195, Beijing, China, 2014.

- [296] S. Stanley, T. Palazzolo, and D. Warnke, Analyzing prehistoric hunter behavior with cultural algorithms, in *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*, edited by C. A. Coello Coello, pp. 2196–2205, Beijing, China, 2014.
- [297] T. Judeh, T. Jayyousi, L. Acharya, R. Reynolds, and D. Zhu, GSCA: Reconstructing biological pathway topologies using a cultural algorithms approach, in *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*, edited by C. A. Coello Coello, pp. 2206–2213, Beijing, China, 2014.
- [298] X. Che and R. Reynolds, A social metrics based process model on complex social system, in *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*, edited by C. A. Coello Coello, pp. 2214–2221, Beijing, China, 2014.
- [299] B. Zhang, K. Shafi, and H. Abbass, Online knowledge-based evolutionary multi-objective optimization, in *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*, edited by C. A. Coello Coello, pp. 2222–2229, Beijing, China, 2014.
- [300] R. Polakova, J. Tvrđik, and P. Bujok, Controlled restart in differential evolution applied to CEC2014 benchmark functions, in *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*, edited by C. A. Coello Coello, pp. 2230–2236, Beijing, China, 2014.
- [301] Y. Dhebar, K. Deb, and S. Bandaru, Non-uniform mapping in real-coded genetic algorithms, in *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*, edited by C. A. Coello Coello, pp. 2237–2244, Beijing, China, 2014.
- [302] P. Philippe, M. Remi, and V. Michal, Bandits attack function optimization, in *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*, edited by C. A. Coello Coello, pp. 2245–2252, Beijing, China, 2014.
- [303] P. Bujok, J. Tvrđik, and R. Polakova, Differential evolution with rotation-invariant mutation and competing-strategies adaptation, in *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*, edited by C. A. Coello Coello, pp. 2253–2258, Beijing, China, 2014.
- [304] Z. Hu, Y. Bao, and T. Xiong, Partial opposition-based adaptive differential evolution algorithms: Evaluation on the CEC 2014 benchmark set for real-parameter optimization, in *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*, edited by C. A. Coello Coello, pp. 2259–2265, Beijing, China, 2014.
- [305] J. J. Liang, B. Y. Qu, H. Song, and Z. G. Shang, Memetic differential evolution based on fitness Euclidean-distance ratio, in *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*, edited by C. A. Coello Coello, pp. 2266–2273, Beijing, China, 2014.
- [306] A. Campbell, V. Ciesielski, and K. Trist, A self organising map based method for understanding features associated with high aesthetic value evolved abstract images, in *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*, edited by C. A. Coello Coello, pp. 2274–2281, Beijing, China, 2014.
- [307] F. F. de Vega *et al.*, When artists met Evospace-i, in *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*, edited by C. A. Coello Coello, pp. 2282–2289, Beijing, China, 2014.
- [308] N. Sephton, P. Cowling, E. Powley, D. Whitehouse, and N. Slaven, Parallelization of information set Monte Carlo tree search, in *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*, edited by C. A. Coello Coello, pp. 2290–2297, Beijing, China, 2014.
- [309] S. Wang, J. Gain, and G. Nitschke, Comparing crossover operators in neuro-evolution with crowd simulations, in *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*, edited by C. A. Coello Coello, pp. 2298–2305, Beijing, China, 2014.
- [310] J. Davila, Genotype coding, diversity, and dynamic environments: A study on an evolutionary neural network multi-agent system, in *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*, edited by C. A. Coello Coello, pp. 2306–2313, Beijing, China, 2014.

- [311] D. Perez *et al.*, The 2013 multi-objective physical travelling salesman problem competition, in *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*, edited by C. A. Coello Coello, pp. 2314–2321, Beijing, China, 2014.
- [312] H. Shao, R. Abielmona, R. Falcon, and N. Japkowicz, Vessel track correlation and association using fuzzy logic and echo state networks, in *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*, edited by C. A. Coello Coello, pp. 2322–2329, Beijing, China, 2014.
- [313] X. Wang, X. Liu, N. Japkowicz, and S. Matwin, Automatic target recognition using multiple-aspect sonar images, in *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*, edited by C. A. Coello Coello, pp. 2330–2337, Beijing, China, 2014.
- [314] J. J. Yu and V. O. Li, Base station switching problem for green cellular networks with social spider algorithm, in *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*, edited by C. A. Coello Coello, pp. 2338–2344, Beijing, China, 2014.
- [315] Z. Wang, M. Gong, Q. Cai, L. Ma, and L. Jiao, Deployment optimization of near space airships based on MOEA/D with local search, in *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*, edited by C. A. Coello Coello, pp. 2345–2352, Beijing, China, 2014.
- [316] H.-Y. Tung, W.-C. Ma, and T.-L. Yu, Novel traffic signal timing adjustment strategy based on genetic algorithm, in *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*, edited by C. A. Coello Coello, pp. 2353–2360, Beijing, China, 2014.
- [317] I. Mauser, M. Dorscheid, F. Allerding, and H. Schmeck, Encodings for evolutionary algorithms in smart buildings with energy management systems, in *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*, edited by C. A. Coello Coello, pp. 2361–2366, Beijing, China, 2014.
- [318] M. Mayo and Q. Sun, Evolving artificial datasets to improve interpretable classifiers, in *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*, edited by C. A. Coello Coello, pp. 2367–2374, Beijing, China, 2014.
- [319] G. Varela *et al.*, Differential evolution in constrained sampling problems, in *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*, edited by C. A. Coello Coello, pp. 2375–2382, Beijing, China, 2014.
- [320] V. Plagianakos, Unsupervised clustering and multi-optima evolutionary search, in *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*, edited by C. A. Coello Coello, pp. 2383–2390, Beijing, China, 2014.
- [321] X. Qiu, J. Xu, and K. C. Tan, A novel differential evolution (DE) algorithm for multi-objective optimization, in *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*, edited by C. A. Coello Coello, pp. 2391–2396, Beijing, China, 2014.
- [322] D. L. St-Pierre and J. Liu, Differential evolution algorithm applied to non-stationary bandit problem, in *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*, edited by C. A. Coello Coello, pp. 2397–2403, Beijing, China, 2014.
- [323] B. Kazimipour, X. Li, and A. Qin, Effects of population initialization on differential evolution for large scale optimization, in *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*, edited by C. A. Coello Coello, pp. 2404–2411, Beijing, China, 2014.
- [324] S. vanden Broucke, J. Vanthienen, and B. Baesens, Declarative process discovery with evolutionary computing, in *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*, edited by C. A. Coello Coello, pp. 2412–2419, Beijing, China, 2014.
- [325] A. Burattin, A. Sperduti, and W. M. P. van der Aalst, Control-flow discovery from event streams, in *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*, edited by C. A. Coello Coello, pp. 2420–2427, Beijing, China, 2014.

- [326] W. Low *et al.*, Perturbing event logs to identify cost reduction opportunities: A genetic algorithm-based approach, in *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*, edited by C. A. Coello Coello, pp. 2428–2435, Beijing, China, 2014.
- [327] L. Martins, R. Nobre, A. Delbem, E. Marques, and J. Cardoso, A clustering-based approach for exploring sequences of compiler optimizations, in *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*, edited by C. A. Coello Coello, pp. 2436–2443, Beijing, China, 2014.
- [328] T. Yoshida and T. Yoshikawa, A study on non-correspondence in spread between objective space and design variable space for trajectory designing optimization problem, in *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*, edited by C. A. Coello Coello, pp. 2444–2450, Beijing, China, 2014.
- [329] A. Agapitos, M. O’Neill, and A. Brabazon, Ensemble Bayesian model averaging in genetic programming, in *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*, edited by C. A. Coello Coello, pp. 2451–2458, Beijing, China, 2014.
- [330] J. Ceberio, E. Irurozki, A. Mendiburu, and J. A. Lozano, Extending distance-based ranking models in estimation of distribution algorithms, in *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*, edited by C. A. Coello Coello, pp. 2459–2466, Beijing, China, 2014.
- [331] B. Wang, H. Xu, and Y. Yuan, Quantum-inspired evolutionary algorithm with linkage learning, in *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*, edited by C. A. Coello Coello, pp. 2467–2474, Beijing, China, 2014.
- [332] S.-M. Wang, Y.-F. Tung, and T.-L. Yu, Investigation on efficiency of optimal mixing on various linkage sets, in *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*, edited by C. A. Coello Coello, pp. 2475–2482, Beijing, China, 2014.
- [333] Q. Liao, A. Zhou, and G. Zhang, A locally weighted metamodel for pre-selection in evolutionary optimization, in *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*, edited by C. A. Coello Coello, pp. 2483–2490, Beijing, China, 2014.
- [334] Y.-E. Su and T.-L. Yu, Use model building on discretization algorithms for discrete EDAs to work on real-valued problems, in *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*, edited by C. A. Coello Coello, pp. 2491–2498, Beijing, China, 2014.
- [335] A. Kattan, M. Kampouridis, Y.-S. Ong, and K. Mehamdi, Transformation of input space using statistical moments: EA-based approach, in *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*, edited by C. A. Coello Coello, pp. 2499–2506, Beijing, China, 2014.
- [336] K. Malan and A. Engelbrecht, A progressive random walk algorithm for sampling continuous fitness landscapes, in *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*, edited by C. A. Coello Coello, pp. 2507–2514, Beijing, China, 2014.
- [337] F. Alanazi and P. K. Lehre, Runtime analysis of selection hyper-heuristics with classical learning mechanisms, in *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*, edited by C. A. Coello Coello, pp. 2515–2523, Beijing, China, 2014.
- [338] C. Cleghorn and A. Engelbrecht, Particle swarm convergence: An empirical investigation, in *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*, edited by C. A. Coello Coello, pp. 2524–2530, Beijing, China, 2014.
- [339] J. Ma, J. Zhang, W. Wang, and J. Yao, Phase transition particle swarm optimization, in *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*, edited by C. A. Coello Coello, pp. 2531–2538, Beijing, China, 2014.
- [340] K. Zhang, T. Weise, and J. Li, Fitness level based adaptive operator selection for cutting stock problems with contiguity, in *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*, edited by C. A. Coello Coello, pp. 2539–2546, Beijing, China, 2014.

- [341] R. Klazar and A. Engelbrecht, Parameter optimization by means of statistical quality guides in F-Race, in *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*, edited by C. A. Coello Coello, pp. 2547–2552, Beijing, China, 2014.
- [342] L. Zhang and R. He, A globally diversified island model PGA for multimodal optimization, in *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*, edited by C. A. Coello Coello, pp. 2553–2561, Beijing, China, 2014.
- [343] M. Pereira, M. Roisenberg, and G. Neto, A topological niching covariance matrix adaptation for multimodal optimization, in *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*, edited by C. A. Coello Coello, pp. 2562–2569, Beijing, China, 2014.
- [344] F. 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*, edited by C. A. Coello Coello, pp. 2570–2577, Beijing, China, 2014.
- [345] X. Peng, X. Lei, and K. Liu, Compensate information from multimodal dynamic landscapes: An anti-pathology cooperative coevolutionary algorithm, in *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*, edited by C. A. Coello Coello, pp. 2578–2584, Beijing, China, 2014.
- [346] B. Kazimipour, X. Li, and A. Qin, A review of population initialization techniques for evolutionary algorithms, in *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*, edited by C. A. Coello Coello, pp. 2585–2592, Beijing, China, 2014.
- [347] J. Fieldsend, Running up those hills: Multi-modal search with the niching migratory multi-swarm optimiser, in *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*, edited by C. A. Coello Coello, pp. 2593–2600, Beijing, China, 2014.
- [348] L. Zhu, K. Deb, and S. Kulkarni, Multi-scenario optimization using multi-criterion methods: A case study on Byzantine agreement problem, in *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*, edited by C. A. Coello Coello, pp. 2601–2608, Beijing, China, 2014.
- [349] C. Smith, J. Doherty, and Y. Jin, Multi-objective evolutionary recurrent neural network ensemble for prediction of computational fluid dynamic simulations, in *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*, edited by C. A. Coello Coello, pp. 2609–2616, Beijing, China, 2014.
- [350] S. Wesolkowski, N. Francetic, and S. Grant, TraDE: Training device selection via multi-objective optimization, in *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*, edited by C. A. Coello Coello, pp. 2617–2624, Beijing, China, 2014.
- [351] W. Abdul, G. Xiaoying, and A. Peter, Multi-view clustering of web documents using multi-objective genetic algorithm, in *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*, edited by C. A. Coello Coello, pp. 2625–2632, Beijing, China, 2014.
- [352] H. Masuda, Y. Nojima, and H. Ishibuchi, Visual examination of the behavior of EMO algorithms for many-objective optimization with many decision variables, in *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*, edited by C. A. Coello Coello, pp. 2633–2640, Beijing, China, 2014.
- [353] W. Hu, G. Yen, and X. Zhang, Sensitivity analysis of parallel cell coordinate system in many-objective particle swarm optimization, in *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*, edited by C. A. Coello Coello, pp. 2641–2648, Beijing, China, 2014.
- [354] R. Maia, L. de Castro, and W. Caminhas, Real-parameter optimization with OptBees, in *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*, edited by C. A. Coello Coello, pp. 2649–2655, Beijing, China, 2014.
- [355] H. Shan, T. Yasuda, and K. Ohkura, A Levy flight-based hybrid artificial bee colony algorithm for solving numerical optimization problems, in *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*, edited by C. A. Coello Coello, pp. 2656–2663, Beijing, China, 2014.



- [356] K. Ding and Y. Tan, Comparison of random number generators in particle swarm optimization algorithm, in *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*, edited by C. A. Coello Coello, pp. 2664–2671, Beijing, China, 2014.
- [357] L. Chen, H.-L. Liu, Z. Zheng, and S. Xie, A evolutionary algorithm based on covariance matrix learning and searching preference for solving CEC 2014 benchmark problems, in *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*, edited by C. A. Coello Coello, pp. 2672–2677, Beijing, China, 2014.
- [358] V. Leite, C. Silva, J. Claro, and J. M. C. Sousa, Optimization of power flow with energy storage using genetic algorithms, in *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*, edited by C. A. Coello Coello, pp. 2678–2684, Beijing, China, 2014.
- [359] Z. Yang, K. Li, A. Foley, and C. Zhang, A new self-learning TLBO algorithm for RBF neural modelling of batteries in electric vehicles, in *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*, edited by C. A. Coello Coello, pp. 2685–2691, Beijing, China, 2014.
- [360] H. Richter, Codynamic fitness landscapes of coevolutionary minimal substrates, in *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*, edited by C. A. Coello Coello, pp. 2692–2699, Beijing, China, 2014.
- [361] G. Dick and X. Yao, Model representation and cooperative coevolution for finite-state machine evolution, in *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*, edited by C. A. Coello Coello, pp. 2700–2707, Beijing, China, 2014.
- [362] S.-Y. Wu and J.-S. Liu, Evolutionary path planning of a data mule in wireless sensor network by using shortcuts, in *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*, edited by C. A. Coello Coello, pp. 2708–2715, Beijing, China, 2014.
- [363] M. R. Karim and M. Mouhoub, Coevolutionary genetic algorithm for variable ordering in CSPs, in *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*, edited by C. A. Coello Coello, pp. 2716–2723, Beijing, China, 2014.
- [364] H. D. Menendez, D. F. Barrero, and D. Camacho, A co-evolutionary multi-objective approach for a k-adaptive graph-based clustering algorithm, in *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*, edited by C. A. Coello Coello, pp. 2724–2731, Beijing, China, 2014.
- [365] M. Bidlo, Evolving multiplication as emergent behavior in cellular automata using conditionally matching rules, in *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*, edited by C. A. Coello Coello, pp. 2732–2739, Beijing, China, 2014.
- [366] H. D. Menendez, L. Plaza, and D. Camacho, Combining graph connectivity and genetic clustering to improve biomedical summarization, in *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*, edited by C. A. Coello Coello, pp. 2740–2747, Beijing, China, 2014.
- [367] S. Datta, P. Rakshit, A. Konar, and A. K. Nagar, Selecting the optimal EEG electrode positions for a cognitive task using an artificial bee colony with adaptive scale factor optimization algorithm, in *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*, edited by C. A. Coello Coello, pp. 2748–2755, Beijing, China, 2014.
- [368] S. Ahmed, M. Zhang, and L. Peng, A new GP-based wrapper feature construction approach to classification and biomarker identification, in *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*, edited by C. A. Coello Coello, pp. 2756–2763, Beijing, China, 2014.
- [369] J. Byrne, M. Nicolau, A. Brabazon, and M. O’Neill, An examination of synchronisation in artificial gene regulatory networks, in *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*, edited by C. A. Coello Coello, pp. 2764–2769, Beijing, China, 2014.
- [370] J. L. Soncco-Alvarez and M. Ayala-Rincon, Memetic algorithm for sorting unsigned permutations by reversals, in *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*, edited by C. A. Coello Coello, pp. 2770–2777, Beijing, China, 2014.

- [371] G. Fogel, E. Liu, M. Salemi, S. Lamers, and M. McGrath, Evolved neural networks for HIV-1 co-receptor identification, in *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*, edited by C. A. Coello Coello, pp. 2778–2784, Beijing, China, 2014.
- [372] E. D. Mario, I. Navarro, and A. Martinoli, Analysis of fitness noise in particle swarm optimization: From robotic learning to benchmark functions, in *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*, edited by C. A. Coello Coello, pp. 2785–2792, Beijing, China, 2014.
- [373] C. Pretorius, M. du Plessis, and J. Gonsalves, A comparison of neural networks and physics models as motion simulators for simple robotic evolution, in *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*, edited by C. A. Coello Coello, pp. 2793–2800, Beijing, China, 2014.
- [374] A. Moshaiov and A. Tal, Family bootstrapping: A genetic transfer learning approach for onsetting the evolution for a set of related robotic tasks, in *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*, edited by C. A. Coello Coello, pp. 2801–2808, Beijing, China, 2014.
- [375] A. Moshaiov and O. Abramovich, Is MO-CMA-ES superior to NSGA-II for the evolution of multi-objective neuro-controllers?, in *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*, edited by C. A. Coello Coello, pp. 2809–2816, Beijing, China, 2014.
- [376] R. Dornberger, T. Hanne, R. Ryter, and S. Michael, Optimization of the picking sequence of an automated storage and retrieval system (AS/RS), in *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*, edited by C. A. Coello Coello, pp. 2817–2824, Beijing, China, 2014.
- [377] K. Alam, T. Ray, and S. G. Anavatti, Practical application of an evolutionary algorithm for the design and construction of a six-inch submarine, in *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*, edited by C. A. Coello Coello, pp. 2825–2832, Beijing, China, 2014.
- [378] B. Kazimipour, M. N. Omidvar, X. Li, and A. Qin, A novel hybridization of opposition-based learning and cooperative co-evolutionary for large-scale optimization, in *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*, edited by C. A. Coello Coello, pp. 2833–2840, Beijing, China, 2014.
- [379] I. Cooper, M. John, R. Lewis, A. Olden, and C. Mumford, Optimising large scale public transport network design problems using mixed-mode parallel multi-objective evolutionary algorithms, in *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*, edited by C. A. Coello Coello, pp. 2841–2848, Beijing, China, 2014.
- [380] T. Watanabe *et al.*, Many-objective evolutionary computation for optimization of separated-flow control using a DBD plasma actuator, in *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*, edited by C. A. Coello Coello, pp. 2849–2854, Beijing, China, 2014.
- [381] L. Lin, G. Mitsuo, and L. Yan, A hybrid EA for high-dimensional subspace clustering problem, in *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*, edited by C. A. Coello Coello, pp. 2855–2860, Beijing, China, 2014.
- [382] M. yu Du, X. juan Lei, and Z. qiang Wu, A simplified glowworm swarm optimization algorithm, in *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*, edited by C. A. Coello Coello, pp. 2861–2868, Beijing, China, 2014.
- [383] B. Li, J. Li, K. Tang, and X. Yao, An improved two archive algorithm for many-objective optimization, in *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*, edited by C. A. Coello Coello, pp. 2869–2876, Beijing, China, 2014.
- [384] Y. Xiao, M. Trefzer, J. Walker, S. Bale, and A. Tyrrell, Two step evolution strategy for device motif BSIM model parameter extraction, in *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*, edited by C. A. Coello Coello, pp. 2877–2884, Beijing, China, 2014.

- [385] M. Wagner, Maximising axiomatization coverage and minimizing regression testing time, in *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*, edited by C. A. Coello Coello, pp. 2885–2892, Beijing, China, 2014.
- [386] Y. Huo, Z. Cai, W. Gong, and Q. Liu, A new adaptive kalman filter by combining evolutionary algorithm and fuzzy inference system, in *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*, edited by C. A. Coello Coello, pp. 2893–2900, Beijing, China, 2014.
- [387] L. Sekanina, O. Ptak, and Z. Vasicek, Cartesian genetic programming as local optimizer of logic networks, in *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*, edited by C. A. Coello Coello, pp. 2901–2908, Beijing, China, 2014.
- [388] S. Donne, M. Nicolau, C. Bean, and M. O’Neill, Wave height quantification using land based seismic data with grammatical evolution, in *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*, edited by C. A. Coello Coello, pp. 2909–2916, Beijing, China, 2014.
- [389] F. Xie, A. Song, and V. Ciesielski, Genetic programming based activity recognition on a smartphone sensory data benchmark, in *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*, edited by C. A. Coello Coello, pp. 2917–2924, Beijing, China, 2014.
- [390] A. Janecek, T. Jordan, and F. B. de Lima-Neto, Swarm/evolutionary intelligence for agent-based social simulation, in *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*, edited by C. A. Coello Coello, pp. 2925–2932, Beijing, China, 2014.
- [391] D. Zan and J. Jaros, Solving the multidimensional knapsack problem using a CUDA accelerated PSO, in *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*, edited by C. A. Coello Coello, pp. 2933–2939, Beijing, China, 2014.
- [392] T. Runkler and J. Bezdek, Multidimensional scaling with multiswarming, in *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*, edited by C. A. Coello Coello, pp. 2940–2946, Beijing, China, 2014.
- [393] M. Metlicka and D. Davendra, Chaos-driven discrete artificial bee colony, in *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*, edited by C. A. Coello Coello, pp. 2947–2954, Beijing, China, 2014.
- [394] S. Alam, G. Dobbie, Y. S. Koh, and P. Riddle, Web bots detection using particle swarm optimization based clustering, in *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*, edited by C. A. Coello Coello, pp. 2955–2962, Beijing, China, 2014.
- [395] C.-W. Wu, T.-C. Chiang, and L.-C. Fu, An ant colony optimization algorithm for multi-objective clustering in mobile ad hoc networks, in *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*, edited by C. A. Coello Coello, pp. 2963–2968, Beijing, China, 2014.
- [396] S. Adriaensen, T. Brys, and A. Nowe, Designing reusable metaheuristic methods: A semi-automated approach, in *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*, edited by C. A. Coello Coello, pp. 2969–2976, Beijing, China, 2014.
- [397] Y. Enaya and K. Deb, Network path optimization under dynamic conditions, in *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*, edited by C. A. Coello Coello, pp. 2977–2984, Beijing, China, 2014.
- [398] O. Brent, D. Thiruvady, A. Gomez-Iglesias, and R. Garcia-Flores, A parallel Lagrangian-ACO heuristic for project scheduling, in *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*, edited by C. A. Coello Coello, pp. 2985–2991, Beijing, China, 2014.
- [399] L. Masi and M. Vasile, A multidirectional Physarum solver for the automated design of space trajectories, in *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*, edited by C. A. Coello Coello, pp. 2992–2999, Beijing, China, 2014.
- [400] J. Xie, Y. Mei, A. Ernst, X. Li, and A. Song, A genetic programming-based hyper-heuristic approach for storage location assignment problem, in *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*, edited by C. A. Coello Coello, pp. 3000–3007, Beijing, China, 2014.

- [401] R. Burman, S. Das, Z. Haque, A. V. Vasilakos, and S. Chakraborti, The monarchy driven optimization algorithm, in *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*, edited by C. A. Coello Coello, pp. 3008–3015, Beijing, China, 2014.
- [402] N. Jin and X. Yao, Heuristic optimization for software project management with impacts of team efficiency, in *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*, edited by C. A. Coello Coello, pp. 3016–3023, Beijing, China, 2014.
- [403] Q. Wang, H. Li, M. Gong, L. Su, and L. Jiao, A multiobjective optimization method based on MOEA/D and fuzzy clustering for change detection in SAR images, in *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*, edited by C. A. Coello Coello, pp. 3024–3029, Beijing, China, 2014.
- [404] P.-C. Tsai, C.-M. Chen, and Y. ping Chen, A novel evaluation function for LT codes degree distribution optimization, in *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*, edited by C. A. Coello Coello, pp. 3030–3035, Beijing, China, 2014.
- [405] I. Triguero, D. Peralta, J. Bacardit, S. Garcia, and F. Herrera, A combined MapReduce-windowing two-level parallel scheme for evolutionary prototype generation, in *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*, edited by C. A. Coello Coello, pp. 3036–3043, Beijing, China, 2014.
- [406] L. Gu, P. Yang, and Y. Dong, A dynamic-weighted collaborative filtering approach to address sparsity and adaptivity issues, in *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*, edited by C. A. Coello Coello, pp. 3044–3050, Beijing, China, 2014.
- [407] S. Reid, K. Malan, and A. Engelbrecht, Carry trade portfolio optimization using particle swarm optimization, in *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*, edited by C. A. Coello Coello, pp. 3051–3058, Beijing, China, 2014.
- [408] M. reza Bonyadi and Z. Michalewicz, On the edge of feasibility: A case study of the particle swarm optimizer, in *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*, edited by C. A. Coello Coello, pp. 3059–3066, Beijing, China, 2014.
- [409] W. Dong and S. Zeng, Linear sparse arrays designed by dynamic constrained multi-objective evolutionary algorithm, in *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*, edited by C. A. Coello Coello, pp. 3067–3072, Beijing, China, 2014.
- [410] C. Si, J. Shen, X. Zou, L. Wang, and Q. Wu, Mapping constrained optimization problems to penalty parameters: An empirical study, in *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*, edited by C. A. Coello Coello, pp. 3073–3079, Beijing, China, 2014.
- [411] P. Singh, I. Couckuyt, F. Ferranti, and T. Dhaene, A constrained multi-objective surrogate-based optimization algorithm, in *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*, edited by C. A. Coello Coello, pp. 3080–3087, Beijing, China, 2014.
- [412] S. Poursoltan and F. Neumann, A feature-based analysis on the impact of linear constraints for e-constrained differential evolution, in *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*, edited by C. A. Coello Coello, pp. 3088–3095, Beijing, China, 2014.
- [413] L. Ki-Baek and K. Jong-Hwan, DMOPSO: Dual multi-objective particle swarm optimization, in *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*, edited by C. A. Coello Coello, pp. 3096–3102, Beijing, China, 2014.
- [414] R. Cheng and Y. Jin, Demonstrator selection in a social learning particle swarm optimizer, in *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*, edited by C. A. Coello Coello, pp. 3103–3110, Beijing, China, 2014.
- [415] B. H. Nguyen, B. Xue, I. Liu, and M. Zhang, Filter based backward elimination in wrapper based PSO for feature selection in classification, in *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*, edited by C. A. Coello Coello, pp. 3111–3118, Beijing, China, 2014.

- [416] B. Xue, A. K. Qin, and M. Zhang, An archive based particle swarm optimisation for feature selection in classification, in *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*, edited by C. A. Coello Coello, pp. 3119–3126, Beijing, China, 2014.
- [417] A. S. da Silva, H. Ma, and M. Zhang, A graph-based particle swarm optimisation approach to QoS-aware web service composition and selection, in *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*, edited by C. A. Coello Coello, pp. 3127–3134, Beijing, China, 2014.
- [418] M. Hardhienata, V. Ugrinovskii, and K. Merrick, Task allocation under communication constraints using motivated particle swarm optimization, in *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*, edited by C. A. Coello Coello, pp. 3135–3142, Beijing, China, 2014.
- [419] A. McNabb and K. Seppi, Serial PSO results are irrelevant in a multi-core parallel world, in *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*, edited by C. A. Coello Coello, pp. 3143–3150, Beijing, China, 2014.
- [420] M. Helbig and A. Engelbrecht, Heterogeneous dynamic vector evaluated particle swarm optimisation for dynamic multi-objective optimisation, in *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*, edited by C. A. Coello Coello, pp. 3151–3159, Beijing, China, 2014.
- [421] M. Liu, J. Zheng, J. Wang, Y. Liu, and L. Jiang, An adaptive diversity introduction method for dynamic evolutionary multiobjective optimization, in *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*, edited by C. A. Coello Coello, pp. 3160–3167, Beijing, China, 2014.
- [422] R. Azzouz, S. Bechikh, and L. B. Said, A multiple reference point-based evolutionary algorithm for dynamic multi-objective optimization with undetectable changes, in *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*, edited by C. A. Coello Coello, pp. 3168–3175, Beijing, China, 2014.
- [423] P. Rakshit, A. Konar, and A. Nagar, Artificial bee colony induced multi-objective optimization in presence of noise, in *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*, edited by C. A. Coello Coello, pp. 3176–3183, Beijing, China, 2014.
- [424] T. Friedrich and S. Menzel, A cascaded evolutionary multi-objective optimization for solving the unbiased universal electric motor family problem, in *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*, edited by C. A. Coello Coello, pp. 3184–3191, Beijing, China, 2014.
- [425] S. Biswas, S. Das, P. N. Suganthan, and C. A. C. Coello, Evolutionary multiobjective optimization in dynamic environments: A set of novel benchmark functions, in *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*, edited by C. A. Coello Coello, pp. 3192–3199, Beijing, China, 2014.
- [426] B. Zhang, M.-X. Zhang, and Y.-J. Zheng, A hybrid biogeography-based optimization and fireworks algorithm, in *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*, edited by C. A. Coello Coello, pp. 3200–3206, Beijing, China, 2014.
- [427] J. Liu, S. Zheng, and Y. Tan, Analysis on global convergence and time complexity of fireworks algorithm, in *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*, edited by C. A. Coello Coello, pp. 3207–3213, Beijing, China, 2014.
- [428] J. Li, S. Zheng, and Y. Tan, Adaptive fireworks algorithm, in *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*, edited by C. A. Coello Coello, pp. 3214–3221, Beijing, China, 2014.
- [429] S. Zheng, A. Janecek, J. Li, and Y. Tan, Dynamic search in fireworks algorithm, in *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*, edited by C. A. Coello Coello, pp. 3222–3229, Beijing, China, 2014.
- [430] S. Cheng, Y. Shi, Q. Qin, T. O. Ting, and R. Bai, Maintaining population diversity in brain storm optimization algorithm, in *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*, edited by C. A. Coello Coello, pp. 3230–3237, Beijing, China, 2014.

- [431] C. Yu, L. Kelley, S. Zheng, and Y. Tan, Fireworks algorithm with differential mutation for solving the CEC 2014 competition problems, in *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*, edited by C. A. Coello Coello, pp. 3238–3245, Beijing, China, 2014.
- [432] Z. Ivan, L. Jouni, S. Roman, P. Michal, and D. Donald, Evolutionary algorithms dynamics and its hidden complex network structures, in *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*, edited by C. A. Coello Coello, pp. 3246–3251, Beijing, China, 2014.
- [433] M. Suzuki, S. Tsuruta, R. Knauf, and Y. Sakurai, Knowledge acquisition issues for intelligent route optimization by evolutionary computation, in *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*, edited by C. A. Coello Coello, pp. 3252–3257, Beijing, China, 2014.
- [434] M. Menezes, M. Goldbarg, and E. Goldbarg, A memetic algorithm for the prize collecting traveling car renter problem, in *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*, edited by C. A. Coello Coello, pp. 3258–3265, Beijing, China, 2014.
- [435] M. Wu, A. Karkar, B. Liu, A. Yakovlev, and G. Gielen, Network on chip optimization based on surrogate model assisted evolutionary algorithms, in *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*, edited by C. A. Coello Coello, pp. 3266–3271, Beijing, China, 2014.
- [436] X.-L. Liao, C.-H. Chien, and C.-K. Ting, A genetic algorithm for the minimum latency pickup and delivery problem, in *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*, edited by C. A. Coello Coello, pp. 3272–3279, Beijing, China, 2014.
- [437] M. Weiszer, J. Chen, S. Ravizza, J. Atkin, and P. Stewart, A heuristic approach to greener airport ground movement, in *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*, edited by C. A. Coello Coello, pp. 3280–3286, Beijing, China, 2014.