Список литературы

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

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

- [31] W. Dong, J. Tian, X. Tang, K. Sheng, and J. Liu, Autonomous learning adaptation for particle swarm optimization, in *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*, edited by C. A. Coello Coello, pp. 223–228, Beijing, China, 2014.
- [32] N. Wu, Z. Zhu, and Z. Ji, A growing partitional clustering based on particle swarm optimization, in *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*, edited by C. A. Coello Coello, pp. 229–234, Beijing, China, 2014.
- [33] F. Kuang, Z. Jin, W. Xu, and S. Zhang, A novel chaotic artificial bee colony algorithm based on tent map, in *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*, edited by C. A. Coello Coello, pp. 235–241, Beijing, China, 2014.
- [34] M.-R. Chen, W. Zeng, G.-Q. Zeng, X. Li, and J.-P. Luo, A novel artificial bee colony algorithm with integration of extremal optimization for numerical optimization problems, in *Proceedings* of the 2014 IEEE Congress on Evolutionary Computation, edited by C. A. Coello Coello, pp. 242–249, Beijing, China, 2014.
- [35] F. Lauri and A. Koukam, Hybrid ACO/EA algorithms applied to the multi-agent patrolling problem, in *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*, edited by C. A. Coello Coello, pp. 250–257, Beijing, China, 2014.
- [36] Y. Zeng and Y. Sun, Comparison of multiobjective particle swarm optimization and evolutionary algorithms for optimal reactive power dispatch problem, in *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*, edited by C. A. Coello Coello, pp. 258–265, Beijing, China, 2014.
- [37] I. Chaman-Garcia, C. C. Coello, and A. Arias-Montano, 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. Turky and S. Abdullah, Using electromagnetic algorithm for tuning the structure and parameters of neural networks, in *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*, edited by C. A. Coello Coello, pp. 326–331, Beijing, China, 2014.

- [46] Z. Li, Z. Shang, J. J. Liang, and B. Y. Qu, Feature selection based on manifold-learning with dynamic constraint-handling differential evolution, in *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*, edited by C. A. Coello Coello, pp. 332–337, Beijing, China, 2014.
- [47] J. Viegas, S. Vieira, J. Sousa, and E. Henriques, Metaheuristics for the 3D bin packing problem in the steel industry, in *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*, edited by C. A. Coello Coello, pp. 338–343, Beijing, China, 2014.
- [48] A. Gonzalez-Pardo and D. Camacho, A new CSP graph-based representation to resource-constrained project scheduling problem, in *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*, edited by C. A. Coello Coello, pp. 344–351, Beijing, China, 2014.
- [49] H. Liu, J. Zhou, X. Wu, and P. Yuan, Optimization algorithm for rectangle packing problem based on varied-factor genetic algorithm and lowest front-line strategy, in *Proceedings of the* 2014 IEEE Congress on Evolutionary Computation, edited by C. A. Coello Coello, pp. 352–357, Beijing, China, 2014.
- [50] S. Farzan and G. 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 DYO painting company, in *Proceedings of the* 2014 IEEE Congress on Evolutionary Computation, edited by C. A. Coello Coello, pp. 653–660, Beijing, China, 2014.

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

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

- [119] S. Akhmedova and E. Semenkin, Co-operation of biology related algorithms meta-heuristic in ANN-based classifiers design, in *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*, edited by C. A. Coello Coello, pp. 867–872, Beijing, China, 2014.
- [120] D. Felipe, E. F. G. Goldbarg, and M. C. Goldbarg, Scientific algorithms for the car renter salesman problem, in *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*, edited by C. A. Coello Coello, pp. 873–879, Beijing, China, 2014.
- [121] S. Watanabe, Y. Chiba, and M. Kanazaki, A proposal on analysis support system based on association rule analysis for non-dominated solutions, in *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*, edited by C. A. Coello Coello, pp. 880–887, Beijing, China, 2014.
- [122] X. Zhou, W. Peng, and B. Yang, GEAS: A GA-ES-mixed algorithm for parameterized optimization problems using CLS problem as an example, in *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*, edited by C. A. Coello Coello, pp. 888–894, Beijing, China, 2014.
- [123] M. Alvares, F. Buarque, and T. Marwala, Application of computational intelligence for source code classification, in *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*, edited by C. A. Coello Coello, pp. 895–902, Beijing, China, 2014.
- [124] X.-B. Hu and M. S. Leeson, Genetic algorithm with spatial receding horizon control for the optimization of facility locations, in *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*, edited by C. A. Coello Coello, pp. 903–909, Beijing, China, 2014.
- [125] J. Reps, U. Aickelin, and J. Garibaldi, Tuning a multiple classifier system for side effect discovery using genetic algorithms, in *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*, edited by C. A. Coello Coello, pp. 910–917, Beijing, China, 2014.
- [126] J. Zhang, C. Zhang, T. Chu, and M. Cao, Cooperation with potential leaders in evolutionary game study of networking agents, in *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*, edited by C. A. Coello Coello, pp. 918–923, Beijing, China, 2014.
- [127] P. Duan, S. Xiong, Z. Hu, Q. Chen, and X. Zhong, Multi-objective optimization model based on steady degree for teaching building evacuation, in *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*, edited by C. A. Coello Coello, pp. 924–929, Beijing, China, 2014.
- [128] G. Bello-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 cisregulatory modules, in *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*, edited by C. A. Coello Coello, pp. 1022–1029, Beijing, China, 2014.
- [141] W. Pang and G. Coghill, An immune network approach to learning qualitative models of biological pathways, in *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*, edited by C. A. Coello Coello, pp. 1030–1037, Beijing, China, 2014.
- [142] Y. Chen, Y. Shang, and D. Xu, Multi-dimensional scaling and MODELLER-based evolutionary algorithms for protein model refinement, in *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*, edited by C. A. Coello Coello, pp. 1038–1045, Beijing, China, 2014.
- [143] A. Chowdhury, P. Rakshit, A. Konar, and A. Nagar, A modified bat algorithm to predict protein-protein interaction network, in *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*, edited by C. A. Coello Coello, pp. 1046–1053, Beijing, China, 2014.
- [144] L. Peterson, Evolutionary algorithms applied to likelihood function maximization during Poisson, logistic, and Cox proportional hazards regression analysis, in *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*, edited by C. A. Coello Coello, pp. 1054–1061, Beijing, China, 2014.
- [145] S. Elsayed, T. Ray, and R. Sarker, A surrogate-assisted differential evolution algorithm with dynamic parameters selection for solving expensive optimization problems, in *Proceedings of the* 2014 IEEE Congress on Evolutionary Computation, edited by C. A. Coello Coello, pp. 1062–1068, Beijing, China, 2014.
- [146] H. Singh, A. Isaacs, and T. Ray, A hybrid surrogate based algorithm (HSBA) to solve computationally expensive optimization problems, in *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*, edited by C. A. Coello Coello, pp. 1069–1075, Beijing, China, 2014.

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

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

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

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

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

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

- [236] Z. Wu and M. Kolonko, Absorption in model-based search algorithms for combinatorial optimization, in *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*, edited by C. A. Coello Coello, pp. 1744–1751, Beijing, China, 2014.
- [237] M. Mavrovouniotis and S. Yang, Elitism-based immigrants for ant colony optimization in dynamic environments: Adapting the replacement rate, in *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*, edited by C. A. Coello Coello, pp. 1752–1759, Beijing, China, 2014.
- [238] R. Mallipeddi, G. Wu, M. Lee, and S. P. Nagaratnam, Gaussian adaptation based parameter adaptation for differential evolution, in *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*, edited by C. A. Coello Coello, pp. 1760–1767, Beijing, China, 2014.
- [239] H. Salehinejad, S. Rahnamayan, and H. R. Tizhoosh, Toward using type-II opposition in optimization, in *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*, edited by C. A. Coello Coello, pp. 1768–1775, Beijing, China, 2014.
- [240] H. Liu, Z. Wu, H. Wang, S. Rahnamayan, and C. Deng, Improved differential evolution with adaptive opposition strategy, in *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*, edited by C. A. Coello Coello, pp. 1776–1783, Beijing, China, 2014.
- [241] J. Angelo, E. 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 multiobjective search, in *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*, edited by C. A. Coello Coello, pp. 2140–2147, Beijing, China, 2014.
- [290] A. Menchaca-Mendez and C. A. C. Coello, MD-MOEA: A new MOEA based on the maximin fitness function and Euclidean distances between solutions, in *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*, edited by C. A. Coello Coello, pp. 2148–2155, Beijing, China, 2014.
- [291] H. Li, Q. Zhang, and J. Deng, Multiobjective test problems with complicated Pareto fronts: Difficulties in degeneracy, in *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*, edited by C. A. Coello Coello, pp. 2156–2163, Beijing, China, 2014.
- [292] L. Souza, R. Prudencio, and F. Barros, A comparison study of binary multi-objective particle swarm optimization approaches for test case selection, in *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*, edited by C. A. Coello Coello, pp. 2164–2171, Beijing, China, 2014.
- [293] M. Pilat and R. Neruda, The effect of different local search algorithms on the performance of multi-objective optimizers, in *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*, edited by C. A. Coello Coello, pp. 2172–2179, Beijing, China, 2014.
- [294] M. Ali, A. Morghem, J. AlBadarneh, R. Al-Gharaibeh, P. Suganthan, and R. Reynolds, Cultural algorithms applied to the evolution of robotic soccer team tactics: A novel perspective, in Proceedings of the 2014 IEEE Congress on Evolutionary Computation, edited by C. A. Coello Coello, pp. 2180–2187, Beijing, China, 2014.
- [295] T. Juan, A. Jose, and C. Mariela, Cultural learning for multi-agent system and its application to fault management, in *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*, edited by C. A. Coello Coello, pp. 2188–2195, Beijing, China, 2014.

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

- [311] D. Perez, E. Powley, D. Whitehouse, S. Samothrakis, S. Lucas, and P. Cowling, The 2013 multiobjective 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, P. Caamano, F. Orjales, A. Deibe, F. Lopez-Pena, and R. Duro, Differential evolution in constrained sampling problems, in *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*, edited by C. A. Coello Coello, pp. 2375–2382, Beijing, China, 2014.
- [320] V. Plagianakos, Unsupervised clustering and multi-optima evolutionary search, in *Proceedings* of the 2014 IEEE Congress on Evolutionary Computation, edited by C. A. Coello Coello, pp. 2383–2390, Beijing, China, 2014.
- [321] X. Qiu, J. Xu, and K. C. Tan, A novel differential evolution (DE) algorithm for multi-objective optimization, in *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*, edited by C. A. Coello Coello, pp. 2391–2396, Beijing, China, 2014.
- [322] D. L. St-Pierre and J. Liu, Differential evolution algorithm applied to non-stationary bandit problem, in *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*, edited by C. A. Coello Coello, pp. 2397–2403, Beijing, China, 2014.
- [323] B. Kazimipour, X. Li, and A. Qin, Effects of population initialization on differential evolution for large scale optimization, in *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*, edited by C. A. Coello Coello, pp. 2404–2411, Beijing, China, 2014.
- [324] S. vanden Broucke, J. Vanthienen, and B. Baesens, Declarative process discovery with evolutionary computing, in *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*, edited by C. A. Coello Coello, pp. 2412–2419, Beijing, China, 2014.
- [325] A. Burattin, A. Sperduti, and W. M. P. van der Aalst, Control-flow discovery from event streams, in *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*, edited by C. A. Coello Coello, pp. 2420–2427, Beijing, China, 2014.

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

- [341] R. Klazar and A. Engelbrecht, Parameter optimization by means of statistical quality guides in F-Race, in *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*, edited by C. A. Coello Coello, pp. 2547–2552, Beijing, China, 2014.
- [342] L. Zhang and R. He, A globally diversified island model PGA for multimodal optimization, in *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*, edited by C. A. Coello Coello, pp. 2553–2561, Beijing, China, 2014.
- [343] M. Pereira, M. Roisenberg, and G. Neto, A topological niching covariance matrix adaptation for multimodal optimization, in *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*, edited by C. A. Coello Coello, pp. 2562–2569, Beijing, China, 2014.
- [344] F. Vafaee, G. Turan, P. Nelson, and T. Berger-Wolf, Balancing the exploration and exploitation in an adaptive diversity guided genetic algorithm, in *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*, edited by C. A. Coello Coello, 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 manyobjective 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 opimization 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 leaning and searching preference for solving CEC 2014 benchmark problems, in *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*, edited by C. A. Coello Coello, 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 coreceptor 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, T. Tatsukawa, A. L. Jaimes, H. Aono, T. Nonomura, A. Oyama, and K. Fujii, Many-objective evolutionary computation for optimization of separated-flow control using a DBD plasma actuator, in *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*, edited by C. A. Coello Coello, pp. 2849–2854, Beijing, China, 2014.
- [381] L. Lin, G. Mitsuo, and L. Yan, A hybrid EA for high-dimensional subspace clustering problem, in *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*, edited by C. A. Coello Coello, pp. 2855–2860, Beijing, China, 2014.
- [382] M. yu Du, X. juan Lei, and Z. qiang Wu, A simplified glowworm swarm optimization algorithm, in *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*, edited by C. A. Coello Coello, pp. 2861–2868, Beijing, China, 2014.
- [383] B. Li, J. Li, K. Tang, and X. Yao, An improved two archive algorithm for many-objective optimization, in *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*, edited by C. A. Coello Coello, pp. 2869–2876, Beijing, China, 2014.
- [384] Y. Xiao, M. Trefzer, J. Walker, S. Bale, and A. Tyrrell, Two step evolution strategy for device motif BSIM model parameter extraction, in *Proceedings of the 2014 IEEE Congress* on *Evolutionary Computation*, edited by C. A. Coello Coello, pp. 2877–2884, Beijing, China, 2014.

- [385] M. Wagner, Maximising axiomatization coverage and minimizing regression testing time, in *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*, edited by C. A. Coello Coello, pp. 2885–2892, Beijing, China, 2014.
- [386] Y. Huo, Z. Cai, W. Gong, and Q. Liu, A new adaptive kalman filter by combining evolutionary algorithm and fuzzy inference system, in *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*, edited by C. A. Coello Coello, pp. 2893–2900, Beijing, China, 2014.
- [387] L. Sekanina, O. Ptak, and Z. Vasicek, Cartesian genetic programming as local optimizer of logic networks, in *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*, edited by C. A. Coello Coello, pp. 2901–2908, Beijing, China, 2014.
- [388] S. Donne, M. Nicolau, C. Bean, and M. O'Neill, Wave height quantification using land based seismic data with grammatical evolution, in *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*, edited by C. A. Coello Coello, pp. 2909–2916, Beijing, China, 2014.
- [389] F. Xie, A. Song, and V. Ciesielski, Genetic programming based activity recognition on a smartphone sensory data benchmark, in *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*, edited by C. A. Coello Coello, pp. 2917–2924, Beijing, China, 2014.
- [390] A. Janecek, T. Jordan, and F. B. de Lima-Neto, Swarm/evolutionary intelligence for agent-based social simulation, in *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*, edited by C. A. Coello Coello, pp. 2925–2932, Beijing, China, 2014.
- [391] D. Zan and J. Jaros, Solving the multidimensional knapsack problem using a CUDA accelerated PSO, in *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*, edited by C. A. Coello Coello, pp. 2933–2939, Beijing, China, 2014.
- [392] T. Runkler and J. Bezdek, Multidimensional scaling with multiswarming, in *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*, edited by C. A. Coello Coello, pp. 2940–2946, Beijing, China, 2014.
- [393] M. Metlicka and D. Davendra, Chaos-driven discrete artificial bee colony, in *Proceedings of the* 2014 IEEE Congress on Evolutionary Computation, edited by C. A. Coello Coello, pp. 2947–2954, Beijing, China, 2014.
- [394] S. Alam, G. Dobbie, Y. S. Koh, and P. Riddle, Web bots detection using particle swarm optimization based clustering, in *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*, edited by C. A. Coello Coello, pp. 2955–2962, Beijing, China, 2014.
- [395] C.-W. Wu, T.-C. Chiang, and L.-C. Fu, An ant colony optimization algorithm for multi-objective clustering in mobile ad hoc networks, in *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*, edited by C. A. Coello Coello, pp. 2963–2968, Beijing, China, 2014.
- [396] S. Adriaensen, T. 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.