

Список литературы

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

- [16] Naqvi, S. S., Browne, W. N., and Hollitt, C., 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 Coello Coello, C. A., pages 109–116, Beijing, China, 2014.
- [17] Fu, W., Johnston, M., and Zhang, M., Unsupervised learning for edge detection using genetic programming, in *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*, edited by Coello Coello, C. A., pages 117–124, Beijing, China, 2014.
- [18] Wagner, M. and Neumann, F., Single- and multi-objective genetic programming: New runtime results for SORTING, in *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*, edited by Coello Coello, C. A., pages 125–132, Beijing, China, 2014.
- [19] Wei, K. and Dinneen, M. J., 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 Coello Coello, C. A., pages 133–140, Beijing, China, 2014.
- [20] He, J., Boris, M., and Zhou, Y., 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 Coello Coello, C. A., pages 141–148, Beijing, China, 2014.
- [21] Yu, Y. and Qian, H., The sampling-and-learning framework: A statistical view of evolutionary algorithms, in *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*, edited by Coello Coello, C. A., pages 149–158, Beijing, China, 2014.
- [22] Chotard, A., Auger, A., and Hansen, N., Markov chain analysis of evolution strategies on a linear constraint optimization problem, in *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*, edited by Coello Coello, C. A., pages 159–166, Beijing, China, 2014.
- [23] Everitt, T., Lattimore, T., and Hutter, M., Free lunch for optimisation under the universal distribution, in *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*, edited by Coello Coello, C. A., pages 167–174, Beijing, China, 2014.
- [24] Arana-Daniel, N., Gallegos, A. A., Lopez-Franco, C., and Alanis, A. Y., 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 Coello Coello, C. A., pages 175–182, Beijing, China, 2014.
- [25] Wang, L., Yang, B., Li, Y., and Zhang, N., A novel improvement of particle swarm optimization using dual factors strategy, in *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*, edited by Coello Coello, C. A., pages 183–189, Beijing, China, 2014.
- [26] Xiang, T., Zhang, W., and Chen, F., A verifiable PSO algorithm in cloud computing, in *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*, edited by Coello Coello, C. A., pages 190–193, Beijing, China, 2014.
- [27] Zong, X., Xiong, S., Xu, H., and Duan, P., 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 Coello Coello, C. A., pages 194–201, Beijing, China, 2014.
- [28] Campos, M. and Krohling, R., 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 Coello Coello, C. A., pages 202–209, Beijing, China, 2014.
- [29] Zhang, G. and Li, Y., 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 Coello Coello, C. A., pages 210–217, Beijing, China, 2014.
- [30] Yan, P. and Jiao, M., A chaotic particle swarm optimization algorithm for the jobshop scheduling problem, in *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*, edited by Coello Coello, C. A., pages 218–222, Beijing, China, 2014.

- [31] Dong, W., Tian, J., Tang, X., Sheng, K., and Liu, J., Autonomous learning adaptation for particle swarm optimization, in *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*, edited by Coello Coello, C. A., pages 223–228, Beijing, China, 2014.
- [32] Wu, N., Zhu, Z., and Ji, Z., A growing partitional clustering based on particle swarm optimization, in *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*, edited by Coello Coello, C. A., pages 229–234, Beijing, China, 2014.
- [33] Kuang, F., Jin, Z., Xu, W., and Zhang, S., A novel chaotic artificial bee colony algorithm based on tent map, in *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*, edited by Coello Coello, C. A., pages 235–241, Beijing, China, 2014.
- [34] Chen, M.-R., Zeng, W., Zeng, G.-Q., Li, X., and Luo, J.-P., 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 Coello Coello, C. A., pages 242–249, Beijing, China, 2014.
- [35] Lauri, F. and Koukam, A., Hybrid ACO/EA algorithms applied to the multi-agent patrolling problem, in *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*, edited by Coello Coello, C. A., pages 250–257, Beijing, China, 2014.
- [36] Zeng, Y. and Sun, Y., 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 Coello Coello, C. A., pages 258–265, Beijing, China, 2014.
- [37] Chaman-Garcia, I., Coello, C. C., and Arias-Montano, A., MOPSOhv: A new hypervolume-based multi-objective particle swarm optimizer, in *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*, edited by Coello Coello, C. A., pages 266–273, Beijing, China, 2014.
- [38] Peng, Z., Zheng, J., and Zou, J., 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 Coello Coello, C. A., pages 274–281, Beijing, China, 2014.
- [39] Carvalho, L. and Fernandes, M., 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 Coello Coello, C. A., pages 282–289, Beijing, China, 2014.
- [40] Hu, X.-B., Wang, M., and Leeson, M. S., 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 Coello Coello, C. A., pages 290–297, Beijing, China, 2014.
- [41] Lara-Cabrera, R., Cotta, C., and Fernandez-Leiva, A. J., 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 Coello Coello, C. A., pages 298–304, Beijing, China, 2014.
- [42] Cai, Y. and Du, J., Enhanced differential evolution with adaptive direction information, in *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*, edited by Coello Coello, C. A., pages 305–312, Beijing, China, 2014.
- [43] Lotif, M., 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 Coello Coello, C. A., pages 313–319, Beijing, China, 2014.
- [44] Lin, K., Wang, X., Li, X., and Tan, Y., Self-adaptive morphable model based multi-view non-cooperative 3D face reconstruction, in *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*, edited by Coello Coello, C. A., pages 320–325, Beijing, China, 2014.

- [45] Turkey, A. and Abdullah, S., Using electromagnetic algorithm for tuning the structure and parameters of neural networks, in *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*, edited by Coello Coello, C. A., pages 326–331, Beijing, China, 2014.
- [46] Li, Z., Shang, Z., Liang, J. J., and Qu, B. Y., Feature selection based on manifold-learning with dynamic constraint-handling differential evolution, in *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*, edited by Coello Coello, C. A., pages 332–337, Beijing, China, 2014.
- [47] Viegas, J., Vieira, S., Sousa, J., and Henriques, E., Metaheuristics for the 3D bin packing problem in the steel industry, in *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*, edited by Coello Coello, C. A., pages 338–343, Beijing, China, 2014.
- [48] Gonzalez-Pardo, A. and Camacho, D., A new CSP graph-based representation to resource-constrained project scheduling problem, in *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*, edited by Coello Coello, C. A., pages 344–351, Beijing, China, 2014.
- [49] Liu, H., Zhou, J., Wu, X., and Yuan, P., 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 Coello Coello, C. A., pages 352–357, Beijing, China, 2014.
- [50] Farzan, S. and DeSouza, G., A parallel evolutionary solution for the inverse kinematics of generic robotic manipulators, in *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*, edited by Coello Coello, C. A., pages 358–365, Beijing, China, 2014.
- [51] Yue, C., Zexuan, Z., and Zhen, J., Feature extraction based on trimmed complex network representation for metabolomic data classification, in *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*, edited by Coello Coello, C. A., pages 366–370, Beijing, China, 2014.
- [52] Tamura, K. and Yasuda, K., Primary study on feedback controlled differential evolution, in *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*, edited by Coello Coello, C. A., pages 371–378, Beijing, China, 2014.
- [53] Yu, W. and Lu, L., 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 Coello Coello, C. A., pages 379–386, Beijing, China, 2014.
- [54] Lopez-Herrejon, R. E., Ferrer, J., Chicano, F., Egyed, A., and Alba, E., 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 Coello Coello, C. A., pages 387–396, Beijing, China, 2014.
- [55] Li, Y., Zhou, A., and Zhang, G., An MOEA/D with multiple differential evolution mutation operators, in *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*, edited by Coello Coello, C. A., pages 397–404, Beijing, China, 2014.
- [56] Brands, T., Wismans, L., and van Berkum, E., Multi-objective transportation network design: Accelerating search by applying e-NSGAII, in *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*, edited by Coello Coello, C. A., pages 405–412, Beijing, China, 2014.
- [57] Acampora, G., Ishibuchi, H., and Vitiello, A., 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 Coello Coello, C. A., pages 413–420, Beijing, China, 2014.
- [58] Mohammadi, A., Omidvar, M. N., Li, X., and Deb, K., Integrating user preferences and decomposition methods for many-objective optimization, in *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*, edited by Coello Coello, C. A., pages 421–428, Beijing, China, 2014.

- [59] Martinez, S. Z. and Coello, C. A. C., 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 Coello Coello, C. A., pages 429–436, Beijing, China, 2014.
- [60] Georgieva, K. S. and Engelbrecht, A. P., Cooperative DynDE for temporal data clustering, in *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*, edited by Coello Coello, C. A., pages 437–444, Beijing, China, 2014.
- [61] Liang, J. J., Zheng, B., Qu, B. Y., and Song, H., 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 Coello Coello, C. A., pages 445–450, Beijing, China, 2014.
- [62] Aalto, J. and Lampinen, J., A mutation and crossover adaptation mechanism for differential evolution algorithm, in *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*, edited by Coello Coello, C. A., pages 451–458, Beijing, China, 2014.
- [63] Segura, C., Coello, C. A. C., Segredo, E., and Leon, C., 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 Coello Coello, C. A., pages 459–466, Beijing, China, 2014.
- [64] Qin, A. K., Tang, K., Pan, H., and Xia, S., 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 Coello Coello, C. A., pages 467–474, Beijing, China, 2014.
- [65] Amin, R., Tang, J., Ellejmi, M., Kirby, S., and Abbass, H. A., 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 Coello Coello, C. A., pages 475–482, Beijing, China, 2014.
- [66] Bennett, S., Nguyen, S., and Zhang, M., A hybrid discrete particle swarm optimisation method for grid computation scheduling, in *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*, edited by Coello Coello, C. A., pages 483–490, Beijing, China, 2014.
- [67] Cui, T., Cheng, S., and Bai, R., A combinatorial algorithm for the cardinality constrained portfolio optimization problem, in *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*, edited by Coello Coello, C. A., pages 491–498, Beijing, China, 2014.
- [68] Sabar, N. R. and Kendall, G., 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 Coello Coello, C. A., pages 499–503, Beijing, China, 2014.
- [69] Smullen, D., Gillett, J., Heron, J., and Rahnamayan, S., Genetic algorithm with self-adaptive mutation controlled by chromosome similarity, in *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*, edited by Coello Coello, C. A., pages 504–511, Beijing, China, 2014.
- [70] Yu, J. J., Lam, A. Y., and Li, V. O., Chemical reaction optimization for the set covering problem, in *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*, edited by Coello Coello, C. A., pages 512–519, Beijing, China, 2014.
- [71] Sabar, N. R. and Kendall, G., Aircraft landing problem using hybrid differential evolution and simple descent algorithm, in *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*, edited by Coello Coello, C. A., pages 520–527, Beijing, China, 2014.
- [72] Li, B., Chiong, R., and Gong, L., Search-evasion path planning for submarines using the artificial bee colony algorithm, in *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*, edited by Coello Coello, C. A., pages 528–535, Beijing, China, 2014.

- [73] Fatnassi, E., Chebbi, O., and Chaouachi, J., 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 Coello Coello, C. A., pages 536–543, Beijing, China, 2014.
- [74] Fong, C. W., Asmuni, H., Lam, W. S., McCollum, B., and McMullan, P., A novel hybrid approach for curriculum based course timetabling problem, in *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*, edited by Coello Coello, C. A., pages 544–550, Beijing, China, 2014.
- [75] Bulut, O. and Tasgetiren, M. F., 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 Coello Coello, C. A., pages 551–557, Beijing, China, 2014.
- [76] Liang, Y.-C., Chen, H.-L., and Nien, Y.-H., Artificial bee colony for workflow scheduling, in *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*, edited by Coello Coello, C. A., pages 558–564, Beijing, China, 2014.
- [77] Madureira, A., Cunha, B., and Pereira, I., 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 Coello Coello, C. A., pages 565–572, Beijing, China, 2014.
- [78] Jana, N. D., Das, S., and Sil, J., Particle swarm optimization with population adaptation, in *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*, edited by Coello Coello, C. A., pages 573–578, Beijing, China, 2014.
- [79] Liu, M., Singh, H., and Ray, T., A benchmark generator for dynamic capacitated arc routing problems, in *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*, edited by Coello Coello, C. A., pages 579–586, Beijing, China, 2014.
- [80] Yu Zheng, H., Wang, L., and Yao Wang, S., A co-evolutionary teaching-learning-based optimization algorithm for stochastic RCPS, in *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*, edited by Coello Coello, C. A., pages 587–594, Beijing, China, 2014.
- [81] Liu, M., Singh, H., and Ray, T., 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 Coello Coello, C. A., pages 595–602, Beijing, China, 2014.
- [82] Yuan, Z., Chen, Y., and He, R., 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 Coello Coello, C. A., pages 603–609, Beijing, China, 2014.
- [83] Tang, J. and Abbass, H. A., 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 Coello Coello, C. A., pages 610–617, Beijing, China, 2014.
- [84] Hunt, R., Johnston, M., and Zhang, M., 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 Coello Coello, C. A., pages 618–625, Beijing, China, 2014.
- [85] Zheng, X., Wang, L., and Wang, S., 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 Coello Coello, C. A., pages 626–633, Beijing, China, 2014.
- [86] Niu, B., Xie, T., Duan, Q., and Tan, L., Particle swarm optimization for integrated yard truck scheduling and storage allocation problem, in *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*, edited by Coello Coello, C. A., pages 634–639, Beijing, China, 2014.

- [87] Liu, T., Sun, C., Zeng, J., and Jin, Y., 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 Coello Coello, C. A., pages 640–646, Beijing, China, 2014.
- [88] Niu, B. and Bi, Y., Binary bacterial foraging optimization for solving 0/1 knapsack problem, in *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*, edited by Coello Coello, C. A., pages 647–652, Beijing, China, 2014.
- [89] Kizilay, D., Tasgetiren, M. F., Bulut, O., and Bostan, B., 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 Coello Coello, C. A., pages 653–660, Beijing, China, 2014.
- [90] Wang, F., Gao, Y., and Zhu, Z., 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 Coello Coello, C. A., pages 661–666, Beijing, China, 2014.
- [91] Wu, J. et al., A compression optimization algorithm for community detection, in *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*, edited by Coello Coello, C. A., pages 667–671, Beijing, China, 2014.
- [92] Wang, S., Gong, M., Ma, L., Cai, Q., and Jiao, L., Decomposition based multiobjective evolutionary algorithm for collaborative filtering recommender systems, in *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*, edited by Coello Coello, C. A., pages 672–679, Beijing, China, 2014.
- [93] Mu, C., Xie, J., Liu, R., and Jiao, L., 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 Coello Coello, C. A., pages 680–686, Beijing, China, 2014.
- [94] Song, X., Ji, J., Yang, C., and Zhang, X., Ant colony clustering based on sampling for community detection, in *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*, edited by Coello Coello, C. A., pages 687–692, Beijing, China, 2014.
- [95] Kuang, L. et al., A differential evolution box-covering algorithm for fractal dimension on complex networks, in *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*, edited by Coello Coello, C. A., pages 693–699, Beijing, China, 2014.
- [96] Mu, C., Zhang, J., and Jiao, L., An intelligent ant colony optimization for community detection in complex networks, in *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*, edited by Coello Coello, C. A., pages 700–706, Beijing, China, 2014.
- [97] Zhang, Y., Dai, G., Peng, L., and Wang, M., 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 Coello Coello, C. A., pages 707–714, Beijing, China, 2014.
- [98] Liu, B., Chen, Q., Zhang, Q., Gielen, G., and Grout, V., Behavioral study of the surrogate model-aware evolutionary search framework, in *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*, edited by Coello Coello, C. A., pages 715–722, Beijing, China, 2014.
- [99] Zhang, H., Song, S., Zhou, A., and Gao, X.-Z., A clustering based multiobjective evolutionary algorithm, in *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*, edited by Coello Coello, C. A., pages 723–730, Beijing, China, 2014.
- [100] Li, X., He, W., and Hirasawa, K., Creating stock trading rules using graph-based estimation of distribution algorithm, in *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*, edited by Coello Coello, C. A., pages 731–738, Beijing, China, 2014.

- [101] Wong, P.-K., Lo, L.-Y., Wong, M.-L., and Leung, K.-S., Grammar based genetic programming with Bayesian network, in *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*, edited by Coello Coello, C. A., pages 739–746, Beijing, China, 2014.
- [102] Krawczyk, B., Triguero, I., Garcia, S., Wozniak, M., and Herrera, F., 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 Coello Coello, C. A., pages 747–753, Beijing, China, 2014.
- [103] Liu, R., Niu, X., and Jiao, L., 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 Coello Coello, C. A., pages 754–761, Beijing, China, 2014.
- [104] Liu, J., He, Y., and Hu, Y., Regression ensemble with PSO algorithms based fuzzy integral, in *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*, edited by Coello Coello, C. A., pages 762–768, Beijing, China, 2014.
- [105] Jiang, S. and Yang, S., An improved quantum-behaved particle swarm optimization based on linear interpolation, in *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*, edited by Coello Coello, C. A., pages 769–775, Beijing, China, 2014.
- [106] Oh, H. and Jin, Y., Evolving hierarchical gene regulatory networks for morphogenetic pattern formation of swarm robotics, in *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*, edited by Coello Coello, C. A., pages 776–783, Beijing, China, 2014.
- [107] Zheng, Z., Li, J., Li, J., and Tan, Y., Avoiding decoys in multiple targets searching problems using swarm robotics, in *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*, edited by Coello Coello, C. A., pages 784–791, Beijing, China, 2014.
- [108] Liu, J., gen Cai, B., and Wang, J., 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 Coello Coello, C. A., pages 792–797, Beijing, China, 2014.
- [109] Li, X., He, W., and Hirasawa, K., Learning and evolution of genetic network programming with knowledge transfer, in *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*, edited by Coello Coello, C. A., pages 798–805, Beijing, China, 2014.
- [110] Yang, M., Cai, Z., Li, C., and Guan, J., An improved JADE algorithm for global optimization, in *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*, edited by Coello Coello, C. A., pages 806–812, Beijing, China, 2014.
- [111] Feng, S., Tan, S., and Lu, J., 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 Coello Coello, C. A., pages 813–818, Beijing, China, 2014.
- [112] Yu, M., Zuo, X., and Murray, C. C., 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 Coello Coello, C. A., pages 819–825, Beijing, China, 2014.
- [113] Gao, C., Weise, T., and Li, J., A weighting-based local search heuristic algorithm for the set covering problem, in *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*, edited by Coello Coello, C. A., pages 826–831, Beijing, China, 2014.
- [114] Schlueter, M. and Munetomo, M., Parallelization for space trajectory optimization, in *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*, edited by Coello Coello, C. A., pages 832–839, Beijing, China, 2014.
- [115] Jiang, Q. et al., Optimal approximation of stable linear systems with a novel and efficient optimization algorithm, in *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*, edited by Coello Coello, C. A., pages 840–844, Beijing, China, 2014.

- [116] Bolufe-Rohler, A. and Chen, S., Extending minimum population search towards large scale global optimization, in *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*, edited by Coello Coello, C. A., pages 845–852, Beijing, China, 2014.
- [117] Zhang, B., hua Duan, J., yan Sang, H., qing Li, J., and Yan, H., A new penalty function method for constrained optimization using harmony search algorithm, in *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*, edited by Coello Coello, C. A., pages 853–859, Beijing, China, 2014.
- [118] Davendra, D., Senkerik, R., Zelinka, I., and Pluhacek, M., Scatter search algorithm with chaos based stochasticity, in *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*, edited by Coello Coello, C. A., pages 860–866, Beijing, China, 2014.
- [119] Akhmedova, S. and Semenkin, E., 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 Coello Coello, C. A., pages 867–872, Beijing, China, 2014.
- [120] Felipe, D., Goldbarg, E. F. G., and Goldbarg, M. C., Scientific algorithms for the car renter salesman problem, in *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*, edited by Coello Coello, C. A., pages 873–879, Beijing, China, 2014.
- [121] Watanabe, S., Chiba, Y., and Kanazaki, M., 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 Coello Coello, C. A., pages 880–887, Beijing, China, 2014.
- [122] Zhou, X., Peng, W., and Yang, B., 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 Coello Coello, C. A., pages 888–894, Beijing, China, 2014.
- [123] Alvares, M., Buarque, F., and Marwala, T., Application of computational intelligence for source code classification, in *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*, edited by Coello Coello, C. A., pages 895–902, Beijing, China, 2014.
- [124] Hu, X.-B. and Leeson, M. S., 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 Coello Coello, C. A., pages 903–909, Beijing, China, 2014.
- [125] Reps, J., Aickelin, U., and Garibaldi, J., Tuning a multiple classifier system for side effect discovery using genetic algorithms, in *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*, edited by Coello Coello, C. A., pages 910–917, Beijing, China, 2014.
- [126] Zhang, J., Zhang, C., Chu, T., and Cao, M., Cooperation with potential leaders in evolutionary game study of networking agents, in *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*, edited by Coello Coello, C. A., pages 918–923, Beijing, China, 2014.
- [127] Duan, P., Xiong, S., Hu, Z., Chen, Q., and Zhong, X., Multi-objective optimization model based on steady degree for teaching building evacuation, in *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*, edited by Coello Coello, C. A., pages 924–929, Beijing, China, 2014.
- [128] Bello-Ortiz, G. and Camacho, D., Evolutionary clustering algorithm for community detection using graph-based information, in *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*, edited by Coello Coello, C. A., pages 930–937, Beijing, China, 2014.
- [129] Nishiyama, M. and Iba, H., Applying conversion matrix to robots for imitating motion using genetic algorithms, in *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*, edited by Coello Coello, C. A., pages 938–944, Beijing, China, 2014.
- [130] Manfrini, F., Barbosa, H., and Bernadino, H., 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 Coello Coello, C. A., pages 945–950, Beijing, China, 2014.

- [131] Thanh, B. H. T., Van, L. T., Xuan, H. N., Duc, A. N., and Manh, T. P., Reordering dimensions for radial visualization of multidimensional data - a genetic algorithms approach, in *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*, edited by Coello Coello, C. A., pages 951–958, Beijing, China, 2014.
- [132] Silva, E. Q., Camilo-Junior, C. G., Pascoal, L. M. L., and Rosa, T. C., 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 Coello Coello, C. A., pages 959–966, Beijing, China, 2014.
- [133] Bu, C., Luo, W., and Zhu, T., Differential evolution with a species-based repair strategy for constrained optimization, in *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*, edited by Coello Coello, C. A., pages 967–974, Beijing, China, 2014.
- [134] Ameca-Alducin, M.-Y., Mezura-Montes, E., and Cruz-Ramirez, N., Differential evolution with combined variants for dynamic constrained optimization, in *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*, edited by Coello Coello, C. A., pages 975–982, Beijing, China, 2014.
- [135] Singh, H., Asafuddoula, M., and Ray, T., 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 Coello Coello, C. A., pages 983–990, Beijing, China, 2014.
- [136] Hamza, N., Sarker, R., and Essam, D., Differential evolution with a constraint consensus mutation for solving optimization problems, in *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*, edited by Coello Coello, C. A., pages 991–997, Beijing, China, 2014.
- [137] Poole, D., Allen, C., and Rendall, T., Constraint handling in agent-based optimization by independent sub-swarms, in *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*, edited by Coello Coello, C. A., pages 998–1005, Beijing, China, 2014.
- [138] Elsayed, S., Sarker, R., and Essam, D., United multi-operator evolutionary algorithms, in *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*, edited by Coello Coello, C. A., pages 1006–1013, Beijing, China, 2014.
- [139] Nobile, M. S., Citrolo, A. G., Cazzaniga, P., Besozzi, D., and Mauri, G., 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 Coello Coello, C. A., pages 1014–1021, Beijing, China, 2014.
- [140] Thompson, J. A. and Congdon, C. B., GAMI-CRM: Using de novo motif inference to detect cis-regulatory modules, in *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*, edited by Coello Coello, C. A., pages 1022–1029, Beijing, China, 2014.
- [141] Pang, W. and Coghill, G., An immune network approach to learning qualitative models of biological pathways, in *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*, edited by Coello Coello, C. A., pages 1030–1037, Beijing, China, 2014.
- [142] Chen, Y., Shang, Y., and Xu, D., Multi-dimensional scaling and MODELLER-based evolutionary algorithms for protein model refinement, in *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*, edited by Coello Coello, C. A., pages 1038–1045, Beijing, China, 2014.
- [143] Chowdhury, A., Rakshit, P., Konar, A., and Nagar, A., A modified bat algorithm to predict protein-protein interaction network, in *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*, edited by Coello Coello, C. A., pages 1046–1053, Beijing, China, 2014.
- [144] Peterson, L., 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 Coello Coello, C. A., pages 1054–1061, Beijing, China, 2014.

- [145] Elsayed, S., Ray, T., and Sarker, R., 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 Coello Coello, C. A., pages 1062–1068, Beijing, China, 2014.
- [146] Singh, H., Isaacs, A., and Ray, T., A hybrid surrogate based algorithm (HSBA) to solve computationally expensive optimization problems, in *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*, edited by Coello Coello, C. A., pages 1069–1075, Beijing, China, 2014.
- [147] Biswas, S., Eita, M. A., Das, S., and Vasilakos, A. V., 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 Coello Coello, C. A., pages 1076–1083, Beijing, China, 2014.
- [148] Erlich, I., Rueda, J. L., and Wildenhues, S., 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 Coello Coello, C. A., pages 1084–1091, Beijing, China, 2014.
- [149] Krityakierne, T., Mueller, J., and Shoemaker, C., 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 Coello Coello, C. A., pages 1092–1099, Beijing, China, 2014.
- [150] Rosales-Perez, A., Escalante, H. J., Coello, C. A. C., Gonzalez, J. A., and Reyes-Garcia, C. A., An evolutionary multi-objective approach for prototype generation, in *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*, edited by Coello Coello, C. A., pages 1100–1107, Beijing, China, 2014.
- [151] Cheng, P., Pan, J.-S., and Lin, C.-W., 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 Coello Coello, C. A., pages 1108–1115, Beijing, China, 2014.
- [152] Debie, E., Shafi, K., Merrick, K., and Lokan, C., An online evolutionary rule learning algorithm with incremental attribute discretization, in *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*, edited by Coello Coello, C. A., pages 1116–1123, Beijing, China, 2014.
- [153] Yexing, L., Xinye, C., Zhun, F., and Qingfu, Z., 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 Coello Coello, C. A., pages 1124–1130, Beijing, China, 2014.
- [154] Bourennani, F., Rahnamayan, S., and Naterer, G. F., Multi-objective differential evolution with leadership enhancement (MODEL), in *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*, edited by Coello Coello, C. A., pages 1131–1138, Beijing, China, 2014.
- [155] Bandaru, S., Ng, A., and Deb, K., On the performance of classification algorithms for learning Pareto-dominance relations, in *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*, edited by Coello Coello, C. A., pages 1139–1146, Beijing, China, 2014.
- [156] Purshouse, R. C., Deb, K., Mansor, M. M., Mostaghim, S., and Wang, R., A review of hybrid evolutionary multiple criteria decision making methods, in *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*, edited by Coello Coello, C. A., pages 1147–1154, Beijing, China, 2014.
- [157] Alhindi, A. and Zhang, Q., MOEA/D with tabu search for multiobjective permutation flow shop scheduling problems, in *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*, edited by Coello Coello, C. A., pages 1155–1164, Beijing, China, 2014.

- [158] ming Cheung, Y. and Gu, F., Online objective reduction for many-objective optimization problems, in *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*, edited by Coello Coello, C. A., pages 1165–1171, Beijing, China, 2014.
- [159] Gee, S. B. and Tan, K. C., Diversity preservation with hybrid recombination for evolutionary multiobjective optimization, in *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*, edited by Coello Coello, C. A., pages 1172–1178, Beijing, China, 2014.
- [160] Alicino, S. and Vasile, M., 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 Coello Coello, C. A., pages 1179–1186, Beijing, China, 2014.
- [161] Luo, C., Shimoyama, K., and Obayashi, S., 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 Coello Coello, C. A., pages 1187–1194, Beijing, China, 2014.
- [162] Sudo, T., Nojima, Y., and Ishibuchi, H., 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 Coello Coello, C. A., pages 1195–1201, Beijing, China, 2014.
- [163] Tsang, J., 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 Coello Coello, C. A., pages 1202–1209, Beijing, China, 2014.
- [164] Scheepers, C. and Engelbrecht, A., Competitive coevolutionary training of simple soccer agents from zero knowledge, in *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*, edited by Coello Coello, C. A., pages 1210–1217, Beijing, China, 2014.
- [165] Greenwood, G., Elsayed, S., Sarker, R., and Abbass, H., Online generation of trajectories for autonomous vehicles using a multi-agent system, in *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*, edited by Coello Coello, C. A., pages 1218–1224, Beijing, China, 2014.
- [166] Lee, S.-M. and Myung, H., A cooperative coevolutionary approach to multi-robot formation control, in *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*, edited by Coello Coello, C. A., pages 1225–1231, Beijing, China, 2014.
- [167] Li, M. and O’Riordan, C., Graph centrality measures and the robustness of cooperation, in *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*, edited by Coello Coello, C. A., pages 1232–1237, Beijing, China, 2014.
- [168] Ling, S. H., San, P. P., Lam, H. K., and Nguyen, H., 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 Coello Coello, C. A., pages 1238–1242, Beijing, China, 2014.
- [169] Chan, K. Y., Rajakaruna, N., Rathnayake, C., and Murray, I., Image deblurring using a hybrid optimization algorithm, in *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*, edited by Coello Coello, C. A., pages 1243–1249, Beijing, China, 2014.
- [170] Yuwono, M., Su, S. W., Moulton, B. D., Guo, Y., and Nguyen, H. T., An algorithm for scalable clustering: Ensemble rapid centroid estimation, in *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*, edited by Coello Coello, C. A., pages 1250–1257, Beijing, China, 2014.
- [171] Yu, J.-C. and Liang, Z.-F., Evolutionary regional network modeling for efficient engineering optimization, in *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*, edited by Coello Coello, C. A., pages 1258–1264, Beijing, China, 2014.

- [172] Li, F., Zhang, Y., and Li, H., Quantum bacterial foraging optimization algorithm, in *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*, edited by Coello Coello, C. A., pages 1265–1272, Beijing, China, 2014.
- [173] Liu, W.-Y. and Lin, C.-C., A cultural algorithm for spatial forest harvest scheduling, in *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*, edited by Coello Coello, C. A., pages 1273–1276, Beijing, China, 2014.
- [174] Ye, S., Dai, G., and Peng, L., A hybrid adaptive coevolutionary differential evolution algorithm for large-scale optimization, in *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*, edited by Coello Coello, C. A., pages 1277–1284, Beijing, China, 2014.
- [175] Mahdavi, S., Shiri, M. E., and Rahnamayan, S., Cooperative co-evolution with a new decomposition method for large-scale optimization, in *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*, edited by Coello Coello, C. A., pages 1285–1292, Beijing, China, 2014.
- [176] Wei, F., Wang, Y., and Zong, T., 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 Coello Coello, C. A., pages 1293–1298, Beijing, China, 2014.
- [177] Wang, S., Zuo, X., and Zhao, X., Solving dynamic double-row layout problem via an improved simulated annealing algorithm, in *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*, edited by Coello Coello, C. A., pages 1299–1304, Beijing, China, 2014.
- [178] Omidvar, M. N., Mei, Y., and Li, X., 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 Coello Coello, C. A., pages 1305–1312, Beijing, China, 2014.
- [179] Mei, Y., Li, X., and Yao, X., Variable neighborhood decomposition for large scale capacitated arc routing problem, in *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*, edited by Coello Coello, C. A., pages 1313–1320, Beijing, China, 2014.
- [180] Ni, Q., Cao, C., and Yin, X., A new dynamic probabilistic particle swarm optimization with dynamic random population topology, in *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*, edited by Coello Coello, C. A., pages 1321–1327, Beijing, China, 2014.
- [181] Gu, J. and Shi, X., An adaptive PSO based on motivation mechanism and acceleration restraint operator, in *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*, edited by Coello Coello, C. A., pages 1328–1336, Beijing, China, 2014.
- [182] Zhang, W., Gao, Y., and Zhang, C., 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 Coello Coello, C. A., pages 1337–1342, Beijing, China, 2014.
- [183] Xu, X., Lu, L., He, P., Ding, J., and Ju, Y., Evolutionary semi-supervised learning with swarm intelligence, in *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*, edited by Coello Coello, C. A., pages 1343–1350, Beijing, China, 2014.
- [184] Zhang, J., Zhu, X., Wang, W., and Yao, J., A fast restarting particle swarm optimizer, in *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*, edited by Coello Coello, C. A., pages 1351–1358, Beijing, China, 2014.
- [185] Li, Z., Zhang, J., Wang, W., and Yao, J., Dimensions cooperate by Euclidean metric in particle swarm optimization, in *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*, edited by Coello Coello, C. A., pages 1359–1366, Beijing, China, 2014.
- [186] Li, Y., Tian, X., Jiao, L., and Zhang, X., 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 Coello Coello, C. A., pages 1367–1373, Beijing, China, 2014.

- [187] Shuai, L., Wang, Z., and Gong, T., Simulating the coevolution of language and long-term memory, in *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*, edited by Coello Coello, C. A., pages 1374–1381, Beijing, China, 2014.
- [188] Chen, G., Luo, W., and Zhu, T., Evolutionary clustering with differential evolution, in *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*, edited by Coello Coello, C. A., pages 1382–1389, Beijing, China, 2014.
- [189] Ameerudden, M. R. and Rughooputh, H., Smart hybrid genetic algorithms in the bandwidth optimization of a PIFA antenna, in *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*, edited by Coello Coello, C. A., pages 1390–1396, Beijing, China, 2014.
- [190] Chen, S.-W. and Chiang, T.-C., Evolutionary many-objective optimization by MO-NSGA-II with enhanced mating selection, in *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*, edited by Coello Coello, C. A., pages 1397–1404, Beijing, China, 2014.
- [191] Luo, Y., Huang, S., and Hu, J., A niching two-layered differential evolution with self-adaptive control parameters, in *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*, edited by Coello Coello, C. A., pages 1405–1412, Beijing, China, 2014.
- [192] Lattarulo, V., Lindley, B. A., and Parks, G. T., 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 Coello Coello, C. A., pages 1413–1420, Beijing, China, 2014.
- [193] Pop, P. and Chira, C., 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 Coello Coello, C. A., pages 1421–1426, Beijing, China, 2014.
- [194] Montgomery, J., Chen, S., and Gonzalez-Fernandez, Y., Identifying and exploiting the scale of a search space in differential evolution, in *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*, edited by Coello Coello, C. A., pages 1427–1434, Beijing, China, 2014.
- [195] Ksibi, A., Ammar, A. B., and Amar, C. B., Enhancing relevance re-ranking using nature-inspired meta-heuristic optimization algorithms, in *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*, edited by Coello Coello, C. A., pages 1435–1442, Beijing, China, 2014.
- [196] Kromer, P., Zelinka, I., and Snasel, V., Can deterministic chaos improve differential evolution for the linear ordering problem?, in *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*, edited by Coello Coello, C. A., pages 1443–1448, Beijing, China, 2014.
- [197] Zhang, J. and Maringer, D., Two parameter update schemes for recurrent reinforcement learning, in *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*, edited by Coello Coello, C. A., pages 1449–1453, Beijing, China, 2014.
- [198] Li, Z., Shang, Z., Liang, J. J., and Qu, B. Y., Differential evolution strategy based on the constraint of fitness values classification, in *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*, edited by Coello Coello, C. A., pages 1454–1460, Beijing, China, 2014.
- [199] Htiouech, S. and Bouamama, S., A Lagrangian and surrogate information enhanced tabu search for the MMKP, in *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*, edited by Coello Coello, C. A., pages 1461–1468, Beijing, China, 2014.
- [200] Yang, P., Tang, K., and Lozano, J. A., 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 Coello Coello, C. A., pages 1469–1476, Beijing, China, 2014.

- [201] Wu, H., Zhang, F., and Wu, L., 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 Coello Coello, C. A., pages 1477–1482, Beijing, China, 2014.
- [202] Marchetti, L., Manca, V., and Zelinka, I., 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 Coello Coello, C. A., pages 1483–1489, Beijing, China, 2014.
- [203] Yang, M., Li, R., and Chu, T., 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 Coello Coello, C. A., pages 1490–1495, Beijing, China, 2014.
- [204] He, T. and Chan, K. C., Evolutionary community detection in social networks, in *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*, edited by Coello Coello, C. A., pages 1496–1503, Beijing, China, 2014.
- [205] O’Neill, M., Nicolau, M., and Agapitos, A., Experiments in program synthesis with grammatical evolution: A focus on integer sorting, in *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*, edited by Coello Coello, C. A., pages 1504–1511, Beijing, China, 2014.
- [206] Pascoal, L. M. L., Camilo-Junior, C. G., Silva, E. Q., and Rosa, T. C., 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 Coello Coello, C. A., pages 1512–1519, Beijing, China, 2014.
- [207] Matei, O., Contrás, D., and Pop, P., Applying evolutionary computation for evolving ontologies, in *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*, edited by Coello Coello, C. A., pages 1520–1527, Beijing, China, 2014.
- [208] Guo, Y., Chen, M., Fu, H., and Liu, Y., Find robust solutions over time by two-layer multi-objective optimization method, in *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*, edited by Coello Coello, C. A., pages 1528–1535, Beijing, China, 2014.
- [209] Hui, S. and Ponnuthurai, N. S., 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 Coello Coello, C. A., pages 1536–1541, Beijing, China, 2014.
- [210] Mavrovouniotis, M. and Yang, S., 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 Coello Coello, C. A., pages 1542–1549, Beijing, China, 2014.
- [211] Fu, H., Lewis, P., Sendhoff, B., Tang, K., and Yao, X., What are dynamic optimization problems?, in *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*, edited by Coello Coello, C. A., pages 1550–1557, Beijing, China, 2014.
- [212] Chow, C. K. and Yuen, S. Y., A dynamic history-driven evolutionary algorithm, in *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*, edited by Coello Coello, C. A., pages 1558–1564, Beijing, China, 2014.
- [213] Zhan, Z.-H. and Zhang, J., Adaptive particle swarm optimization with variable relocation for dynamic optimization problems, in *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*, edited by Coello Coello, C. A., pages 1565–1570, Beijing, China, 2014.
- [214] Chang, P.-C. and He, X., Macroscopic indeterminacy swarm optimization (MISO) algorithm for real-parameter search, in *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*, edited by Coello Coello, C. A., pages 1571–1578, Beijing, China, 2014.

- [215] Jiang, Y., Yang, Z., Hao, Z., Wang, Y., and He, H., 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 Coello Coello, C. A., pages 1579–1585, Beijing, China, 2014.
- [216] Chou, C.-H., Chia-Ling, H., and Chang, P.-C., A RFID network design methodology for decision problem in health care, in *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*, edited by Coello Coello, C. A., pages 1586–1592, Beijing, China, 2014.
- [217] Shang-Chia, W., Wei-Chang, Y., and Tso-Jung, Y., 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 Coello Coello, C. A., pages 1593–1600, Beijing, China, 2014.
- [218] Xu, X. and Tang, M., 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 Coello Coello, C. A., pages 1601–1608, Beijing, China, 2014.
- [219] Yusoh, Z. M. and Tang, M., Composite SaaS scaling in cloud computing using a hybrid genetic algorithm, in *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*, edited by Coello Coello, C. A., pages 1609–1616, Beijing, China, 2014.
- [220] Xu, C., Huang, H., and Ye, S., A differential evolution with replacement strategy for real-parameter numerical optimization, in *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*, edited by Coello Coello, C. A., pages 1617–1624, Beijing, China, 2014.
- [221] Erlich, I., Rueda, J. L., and Wildenhues, S., 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 Coello Coello, C. A., pages 1625–1632, Beijing, China, 2014.
- [222] Molina, D., Lacroix, B., and Herrera, F., Influence of regions on the memetic algorithm for the special session on real-parameter single objective optimisation, in *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*, edited by Coello Coello, C. A., pages 1633–1640, Beijing, China, 2014.
- [223] Garden, R. and Engelbrecht, A., Analysis and classification of optimisation benchmark functions and benchmark suites, in *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*, edited by Coello Coello, C. A., pages 1641–1649, Beijing, China, 2014.
- [224] Elsayed, S., Sarker, R., Essam, D., and Hamza, N., 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 Coello Coello, C. A., pages 1650–1657, Beijing, China, 2014.
- [225] Tanabe, R. and Fukunaga, A., Improving the search performance of SHADE using linear population size reduction, in *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*, edited by Coello Coello, C. A., pages 1658–1665, Beijing, China, 2014.
- [226] Santu, S. K. K., Rahman, M. M., Islam, M. M., and Murase, K., Towards better generalization in Pittsburgh learning classifier systems, in *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*, edited by Coello Coello, C. A., pages 1666–1673, Beijing, China, 2014.
- [227] Scardapane, S., Comminiello, D., Scarpiniti, M., and Uncini, A., GP-based kernel evolution for L2-regularization networks, in *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*, edited by Coello Coello, C. A., pages 1674–1681, Beijing, China, 2014.
- [228] Li, X., He, W., and Hirasawa, K., Generalized classifier system: Evolving classifiers with cyclic conditions, in *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*, edited by Coello Coello, C. A., pages 1682–1689, Beijing, China, 2014.

- [229] Lee, P.-M. and Hsiao, T.-C., Applying LCS to affective images classification in spatial-frequency domain, in *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*, edited by Coello Coello, C. A., pages 1690–1697, Beijing, China, 2014.
- [230] Nguyen, T. T., Liew, A. W.-C., Tran, M. T., Pham, X. C., and Nguyen, M. P., 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 Coello Coello, C. A., pages 1698–1705, Beijing, China, 2014.
- [231] Glette, K. and Kaufmann, P., Lookup table partial reconfiguration for an evolvable hardware classifier system, in *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*, edited by Coello Coello, C. A., pages 1706–1713, Beijing, China, 2014.
- [232] Pat, A., Ant colony optimization and hypergraph covering problems, in *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*, edited by Coello Coello, C. A., pages 1714–1720, Beijing, China, 2014.
- [233] He, P. et al., Confidence-based ant random walks, in *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*, edited by Coello Coello, C. A., pages 1721–1728, Beijing, China, 2014.
- [234] Kaszkurewicz, E., Bhaya, A., Jayadeva, J., and da Silva, J. M. M., The coupled EigenAnt algorithm for shortest path problems, in *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*, edited by Coello Coello, C. A., pages 1729–1735, Beijing, China, 2014.
- [235] Dawson, L. and Stewart, I., Accelerating ant colony optimization-based edge detection on the GPU using CUDA, in *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*, edited by Coello Coello, C. A., pages 1736–1743, Beijing, China, 2014.
- [236] Wu, Z. and Kolonko, M., Absorption in model-based search algorithms for combinatorial optimization, in *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*, edited by Coello Coello, C. A., pages 1744–1751, Beijing, China, 2014.
- [237] Mavrovouniotis, M. and Yang, S., 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 Coello Coello, C. A., pages 1752–1759, Beijing, China, 2014.
- [238] Mallipeddi, R., Wu, G., Lee, M., and Nagaratnam, S. P., Gaussian adaptation based parameter adaptation for differential evolution, in *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*, edited by Coello Coello, C. A., pages 1760–1767, Beijing, China, 2014.
- [239] Salehinejad, H., Rahnamayan, S., and Tizhoosh, H. R., Toward using type-II opposition in optimization, in *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*, edited by Coello Coello, C. A., pages 1768–1775, Beijing, China, 2014.
- [240] Liu, H., Wu, Z., Wang, H., Rahnamayan, S., and Deng, C., Improved differential evolution with adaptive opposition strategy, in *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*, edited by Coello Coello, C. A., pages 1776–1783, Beijing, China, 2014.
- [241] Angelo, J., Krempser, E., and Barbosa, H., Differential evolution assisted by a surrogate model for bilevel programming problems, in *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*, edited by Coello Coello, C. A., pages 1784–1791, Beijing, China, 2014.
- [242] Minisci, E. and Vasile, M., Adaptive inflationary differential evolution, in *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*, edited by Coello Coello, C. A., pages 1792–1799, Beijing, China, 2014.
- [243] Rahnamayan, S., Jesuthasan, J., Bourennani, F., Salehinejad, H., and Naterer, G. F., Computing opposition by involving entire population, in *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*, edited by Coello Coello, C. A., pages 1800–1807, Beijing, China, 2014.

- [244] Li, X., He, W., and Hirasawa, K., Adaptive genetic network programming, in *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*, edited by Coello Coello, C. A., pages 1808–1815, Beijing, China, 2014.
- [245] Weise, T., Wan, M., Tang, K., and Yao, X., Evolving exact integer algorithms with genetic programming, in *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*, edited by Coello Coello, C. A., pages 1816–1823, Beijing, China, 2014.
- [246] Nguyen, S., Zhang, M., and Johnston, M., 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 Coello Coello, C. A., pages 1824–1831, Beijing, China, 2014.
- [247] Xie, C. and Shang, L., Anomaly detection in crowded scenes using genetic programming, in *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*, edited by Coello Coello, C. A., pages 1832–1839, Beijing, China, 2014.
- [248] Yu, Y., Ma, H., and Zhang, M., A genetic programming approach to distributed QoS-aware web service composition, in *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*, edited by Coello Coello, C. A., pages 1840–1846, Beijing, China, 2014.
- [249] Kren, T. and Neruda, R., Generating lambda term individuals in typed genetic programming using forgetful A*, in *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*, edited by Coello Coello, C. A., pages 1847–1854, Beijing, China, 2014.
- [250] Cota, L. P., Haddad, M. N., Souza, M. J. F., and Coelho, V. N., AIRP: A heuristic algorithm for solving the unrelated parallel machine scheduling problem, in *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*, edited by Coello Coello, C. A., pages 1855–1862, Beijing, China, 2014.
- [251] Grobler, J., Engelbrecht, A. P., Kendall, G., and Yadavalli, V., Heuristic space diversity management in a meta-hyper-heuristic framework, in *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*, edited by Coello Coello, C. A., pages 1863–1869, Beijing, China, 2014.
- [252] Sinha, A., Malo, P., and Deb, K., An improved bilevel evolutionary algorithm based on quadratic approximations, in *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*, edited by Coello Coello, C. A., pages 1870–1877, Beijing, China, 2014.
- [253] Ke, L., 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 Coello Coello, C. A., pages 1878–1882, Beijing, China, 2014.
- [254] Zheng, Y.-J., Zhang, B., and Cheng, Z., Hyper-heuristics with penalty parameter adaptation for constrained optimization, in *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*, edited by Coello Coello, C. A., pages 1883–1889, Beijing, China, 2014.
- [255] Segredo, E., Segura, C., and Leon, C., 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 Coello Coello, C. A., pages 1890–1897, Beijing, China, 2014.
- [256] Sayed, E., Essam, D., Sarker, R., and Elsayed, S., A decomposition-based algorithm for dynamic economic dispatch problems, in *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*, edited by Coello Coello, C. A., pages 1898–1905, Beijing, China, 2014.
- [257] Ding, J., Song, S., Zhang, R., and Wu, C., 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 Coello Coello, C. A., pages 1906–1911, Beijing, China, 2014.

- [258] Ruello, M., Grimaccia, F., Mussetta, M., and Zich, R. E., Black-hole PSO and SNO for electromagnetic optimization, in *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*, edited by Coello Coello, C. A., pages 1912–1916, Beijing, China, 2014.
- [259] Qian, X., Huang, M., Gao, T., and Wang, X., 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 Coello Coello, C. A., pages 1917–1921, Beijing, China, 2014.
- [260] Pandiyan, M., 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 Coello Coello, C. A., pages 1922–1928, Beijing, China, 2014.
- [261] Harrison, K., Ombuki-Berman, B., and Engelbrecht, A., Dynamic multi-objective optimization using charged vector evaluated particle swarm optimization, in *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*, edited by Coello Coello, C. A., pages 1929–1936, Beijing, China, 2014.
- [262] Mesa, E., Velasquez, J. D., and Jaramillo, P., A new self-adaptive PSO based on the identification of planar regions, in *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*, edited by Coello Coello, C. A., pages 1937–1943, Beijing, China, 2014.
- [263] Tsai, P.-C., Chen, C.-M., and ping Chen, Y., PSO-based evacuation simulation framework, in *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*, edited by Coello Coello, C. A., pages 1944–1950, Beijing, China, 2014.
- [264] Bouaziz, S., Alimi, A. M., and Abraham, A., 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 Coello Coello, C. A., pages 1951–1958, Beijing, China, 2014.
- [265] Jariyatantiwait, C. and Yen, G., Fuzzy multiobjective differential evolution using performance metrics feedback, in *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*, edited by Coello Coello, C. A., pages 1959–1966, Beijing, China, 2014.
- [266] Yuen, S. Y. and Zhang, X., Multiobjective evolutionary algorithm portfolio: Choosing suitable algorithm for multiobjective optimization problem, in *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*, edited by Coello Coello, C. A., pages 1967–1973, Beijing, China, 2014.
- [267] Shang, R., Zhang, K., and Jiao, L., A novel algorithm for many-objective dimension reductions: Pareto-PCA-NSGA-II, in *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*, edited by Coello Coello, C. A., pages 1974–1981, Beijing, China, 2014.
- [268] Souza, T., Goldbarg, E., and Goldbarg, M., 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 Coello Coello, C. A., pages 1982–1989, Beijing, China, 2014.
- [269] Leung, M. F., Ng, S. C., Cheung, C. C., and Lui, A. K., A new strategy for finding good local guides in MOPSO, in *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*, edited by Coello Coello, C. A., pages 1990–1997, Beijing, China, 2014.
- [270] Yu, J. J., Li, V. O., and Lam, A. Y., An inter-molecular adaptive collision scheme for chemical reaction optimization, in *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*, edited by Coello Coello, C. A., pages 1998–2004, Beijing, China, 2014.
- [271] Poole, D., Allen, C., and Rendall, T., Analysis of constraint handling methods for the gravitational search algorithm, in *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*, edited by Coello Coello, C. A., pages 2005–2012, Beijing, China, 2014.

- [272] Cai, Z., Wen, S., and Liu, L., 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 Coello Coello, C. A., pages 2013–2018, Beijing, China, 2014.
- [273] Ding, J., Chen, L., Xie, Q., Chai, T., and Zheng, X., Effect of pseudo gradient on differential evolutionary for global numerical optimization, in *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*, edited by Coello Coello, C. A., pages 2019–2026, Beijing, China, 2014.
- [274] Li, M., Ji, T., Wu, P., He, S., and Wu, Q., Protein folding estimation using paired-bacteria optimizer, in *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*, edited by Coello Coello, C. A., pages 2027–2032, Beijing, China, 2014.
- [275] wei Zheng, X., jie Lu, D., and hua Chen, Z., A self-adaptive group search optimizer with elitist strategy, in *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*, edited by Coello Coello, C. A., pages 2033–2039, Beijing, China, 2014.
- [276] Xu, J., Xi, X., and Wang, S., Optimization based on adaptive hinging hyperplanes and genetic algorithm, in *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*, edited by Coello Coello, C. A., pages 2040–2046, Beijing, China, 2014.
- [277] Zhu, T., Luo, W., and Yue, L., Combining multipopulation evolutionary algorithms with memory for dynamic optimization problems, in *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*, edited by Coello Coello, C. A., pages 2047–2054, Beijing, China, 2014.
- [278] Salehinejad, H., Rahnamayan, S., and Tizhoosh, H. R., Micro-differential evolution with vectorized random mutation factor, in *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*, edited by Coello Coello, C. A., pages 2055–2062, Beijing, China, 2014.
- [279] Gao, S., Liu, Z., Dai, C., and Geng, X., 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 Coello Coello, C. A., pages 2063–2069, Beijing, China, 2014.
- [280] Du, X. and Chang, X., Performance of AI algorithms for mining meaningful roles, in *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*, edited by Coello Coello, C. A., pages 2070–2076, Beijing, China, 2014.
- [281] Li, J. and Zhang, J., 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 Coello Coello, C. A., pages 2077–2084, Beijing, China, 2014.
- [282] Chatbri, H., Kwan, P., and Kameyama, K., 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 Coello Coello, C. A., pages 2085–2092, Beijing, China, 2014.
- [283] Zhu, X., Luo, W., and Zhu, T., An improved genetic algorithm for dynamic shortest path problems, in *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*, edited by Coello Coello, C. A., pages 2093–2100, Beijing, China, 2014.
- [284] Wu, C.-L., Liu, C.-H., and Ting, C.-K., A novel genetic algorithm considering measures and phrases for generating melody, in *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*, edited by Coello Coello, C. A., pages 2101–2107, Beijing, China, 2014.
- [285] Shi, Z., Peng, Y., and Wei, W., 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 Coello Coello, C. A., pages 2108–2115, Beijing, China, 2014.

- [286] R., R. B., 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 Coello Coello, C. A., pages 2116–2123, Beijing, China, 2014.
- [287] Wang, Y. and Yin, J., 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 Coello Coello, C. A., pages 2124–2131, Beijing, China, 2014.
- [288] Wang, Z., Zhang, Q., Gong, M., and Zhou, A., A replacement strategy for balancing convergence and diversity in MOEA/D, in *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*, edited by Coello Coello, C. A., pages 2132–2139, Beijing, China, 2014.
- [289] Li, M., Yang, S., and Liu, X., A test problem for visual investigation of high-dimensional multi-objective search, in *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*, edited by Coello Coello, C. A., pages 2140–2147, Beijing, China, 2014.
- [290] Menchaca-Mendez, A. and Coello, C. A. C., 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 Coello Coello, C. A., pages 2148–2155, Beijing, China, 2014.
- [291] Li, H., Zhang, Q., and Deng, J., Multiobjective test problems with complicated Pareto fronts: Difficulties in degeneracy, in *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*, edited by Coello Coello, C. A., pages 2156–2163, Beijing, China, 2014.
- [292] Souza, L., Prudencio, R., and Barros, F., 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 Coello Coello, C. A., pages 2164–2171, Beijing, China, 2014.
- [293] Pilat, M. and Neruda, R., 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 Coello Coello, C. A., pages 2172–2179, Beijing, China, 2014.
- [294] Ali, M. et al., Cultural algorithms applied to the evolution of robotic soccer team tactics: A novel perspective, in *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*, edited by Coello Coello, C. A., pages 2180–2187, Beijing, China, 2014.
- [295] Juan, T., Jose, A., and Mariela, C., Cultural learning for multi-agent system and its application to fault management, in *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*, edited by Coello Coello, C. A., pages 2188–2195, Beijing, China, 2014.
- [296] Stanley, S., Palazzolo, T., and Warnke, D., Analyzing prehistoric hunter behavior with cultural algorithms, in *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*, edited by Coello Coello, C. A., pages 2196–2205, Beijing, China, 2014.
- [297] Judeh, T., Jayyousi, T., Acharya, L., Reynolds, R., and Zhu, D., GSCA: Reconstructing biological pathway topologies using a cultural algorithms approach, in *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*, edited by Coello Coello, C. A., pages 2206–2213, Beijing, China, 2014.
- [298] Che, X. and Reynolds, R., A social metrics based process model on complex social system, in *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*, edited by Coello Coello, C. A., pages 2214–2221, Beijing, China, 2014.
- [299] Zhang, B., Shafi, K., and Abbass, H., Online knowledge-based evolutionary multi-objective optimization, in *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*, edited by Coello Coello, C. A., pages 2222–2229, Beijing, China, 2014.

- [300] Polakova, R., Tvrdik, J., and Bujok, P., Controlled restart in differential evolution applied to CEC2014 benchmark functions, in *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*, edited by Coello Coello, C. A., pages 2230–2236, Beijing, China, 2014.
- [301] Dhebar, Y., Deb, K., and Bandaru, S., Non-uniform mapping in real-coded genetic algorithms, in *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*, edited by Coello Coello, C. A., pages 2237–2244, Beijing, China, 2014.
- [302] Philippe, P., Remi, M., and Michal, V., Bandits attack function optimization, in *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*, edited by Coello Coello, C. A., pages 2245–2252, Beijing, China, 2014.
- [303] Bujok, P., Tvrdik, J., and Polakova, R., Differential evolution with rotation-invariant mutation and competing-strategies adaptation, in *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*, edited by Coello Coello, C. A., pages 2253–2258, Beijing, China, 2014.
- [304] Hu, Z., Bao, Y., and Xiong, T., 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 Coello Coello, C. A., pages 2259–2265, Beijing, China, 2014.
- [305] Liang, J. J., Qu, B. Y., Song, H., and Shang, Z. G., Memetic differential evolution based on fitness Euclidean-distance ratio, in *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*, edited by Coello Coello, C. A., pages 2266–2273, Beijing, China, 2014.
- [306] Campbell, A., Ciesielski, V., and Trist, K., 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 Coello Coello, C. A., pages 2274–2281, Beijing, China, 2014.
- [307] de Vega, F. F. et al., When artists met Evospace-i, in *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*, edited by Coello Coello, C. A., pages 2282–2289, Beijing, China, 2014.
- [308] Sephton, N., Cowling, P., Powley, E., Whitehouse, D., and Slaven, N., Parallelization of information set Monte Carlo tree search, in *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*, edited by Coello Coello, C. A., pages 2290–2297, Beijing, China, 2014.
- [309] Wang, S., Gain, J., and Nitschke, G., Comparing crossover operators in neuro-evolution with crowd simulations, in *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*, edited by Coello Coello, C. A., pages 2298–2305, Beijing, China, 2014.
- [310] Davila, J., 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 Coello Coello, C. A., pages 2306–2313, Beijing, China, 2014.
- [311] Perez, D. et al., The 2013 multi-objective physical travelling salesman problem competition, in *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*, edited by Coello Coello, C. A., pages 2314–2321, Beijing, China, 2014.
- [312] Shao, H., Abielmona, R., Falcon, R., and Japkowicz, N., Vessel track correlation and association using fuzzy logic and echo state networks, in *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*, edited by Coello Coello, C. A., pages 2322–2329, Beijing, China, 2014.
- [313] Wang, X., Liu, X., Japkowicz, N., and Matwin, S., Automatic target recognition using multiple-aspect sonar images, in *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*, edited by Coello Coello, C. A., pages 2330–2337, Beijing, China, 2014.

- [314] Yu, J. J. and Li, V. O., Base station switching problem for green cellular networks with social spider algorithm, in *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*, edited by Coello Coello, C. A., pages 2338–2344, Beijing, China, 2014.
- [315] Wang, Z., Gong, M., Cai, Q., Ma, L., and Jiao, L., 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 Coello Coello, C. A., pages 2345–2352, Beijing, China, 2014.
- [316] Tung, H.-Y., Ma, W.-C., and Yu, T.-L., Novel traffic signal timing adjustment strategy based on genetic algorithm, in *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*, edited by Coello Coello, C. A., pages 2353–2360, Beijing, China, 2014.
- [317] Mauser, I., Dorscheid, M., Allerding, F., and Schmeck, H., Encodings for evolutionary algorithms in smart buildings with energy management systems, in *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*, edited by Coello Coello, C. A., pages 2361–2366, Beijing, China, 2014.
- [318] Mayo, M. and Sun, Q., Evolving artificial datasets to improve interpretable classifiers, in *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*, edited by Coello Coello, C. A., pages 2367–2374, Beijing, China, 2014.
- [319] Varela, G. et al., Differential evolution in constrained sampling problems, in *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*, edited by Coello Coello, C. A., pages 2375–2382, Beijing, China, 2014.
- [320] Plagianakos, V., Unsupervised clustering and multi-optima evolutionary search, in *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*, edited by Coello Coello, C. A., pages 2383–2390, Beijing, China, 2014.
- [321] Qiu, X., Xu, J., and Tan, K. C., A novel differential evolution (DE) algorithm for multi-objective optimization, in *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*, edited by Coello Coello, C. A., pages 2391–2396, Beijing, China, 2014.
- [322] St-Pierre, D. L. and Liu, J., Differential evolution algorithm applied to non-stationary bandit problem, in *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*, edited by Coello Coello, C. A., pages 2397–2403, Beijing, China, 2014.
- [323] Kazimipour, B., Li, X., and Qin, A., Effects of population initialization on differential evolution for large scale optimization, in *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*, edited by Coello Coello, C. A., pages 2404–2411, Beijing, China, 2014.
- [324] vanden Broucke, S., Vanthienen, J., and Baesens, B., Declarative process discovery with evolutionary computing, in *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*, edited by Coello Coello, C. A., pages 2412–2419, Beijing, China, 2014.
- [325] Burattin, A., Sperduti, A., and van der Aalst, W. M. P., Control-flow discovery from event streams, in *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*, edited by Coello Coello, C. A., pages 2420–2427, Beijing, China, 2014.
- [326] Low, W. et al., Perturbing event logs to identify cost reduction opportunities: A genetic algorithm-based approach, in *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*, edited by Coello Coello, C. A., pages 2428–2435, Beijing, China, 2014.
- [327] Martins, L., Nobre, R., Delbem, A., Marques, E., and Cardoso, J., A clustering-based approach for exploring sequences of compiler optimizations, in *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*, edited by Coello Coello, C. A., pages 2436–2443, Beijing, China, 2014.
- [328] Yoshida, T. and Yoshikawa, T., 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 Coello Coello, C. A., pages 2444–2450, Beijing, China, 2014.

- [329] Agapitos, A., O'Neill, M., and Brabazon, A., Ensemble Bayesian model averaging in genetic programming, in *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*, edited by Coello Coello, C. A., pages 2451–2458, Beijing, China, 2014.
- [330] Ceberio, J., Irurozki, E., Mendiburu, A., and Lozano, J. A., Extending distance-based ranking models in estimation of distribution algorithms, in *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*, edited by Coello Coello, C. A., pages 2459–2466, Beijing, China, 2014.
- [331] Wang, B., Xu, H., and Yuan, Y., Quantum-inspired evolutionary algorithm with linkage learning, in *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*, edited by Coello Coello, C. A., pages 2467–2474, Beijing, China, 2014.
- [332] Wang, S.-M., Tung, Y.-F., and Yu, T.-L., Investigation on efficiency of optimal mixing on various linkage sets, in *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*, edited by Coello Coello, C. A., pages 2475–2482, Beijing, China, 2014.
- [333] Liao, Q., Zhou, A., and Zhang, G., A locally weighted metamodel for pre-selection in evolutionary optimization, in *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*, edited by Coello Coello, C. A., pages 2483–2490, Beijing, China, 2014.
- [334] Su, Y.-E. and Yu, T.-L., 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 Coello Coello, C. A., pages 2491–2498, Beijing, China, 2014.
- [335] Kattan, A., Kampouridis, M., Ong, Y.-S., and Mehamdi, K., Transformation of input space using statistical moments: EA-based approach, in *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*, edited by Coello Coello, C. A., pages 2499–2506, Beijing, China, 2014.
- [336] Malan, K. and Engelbrecht, A., A progressive random walk algorithm for sampling continuous fitness landscapes, in *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*, edited by Coello Coello, C. A., pages 2507–2514, Beijing, China, 2014.
- [337] Alanazi, F. and Lehre, P. K., Runtime analysis of selection hyper-heuristics with classical learning mechanisms, in *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*, edited by Coello Coello, C. A., pages 2515–2523, Beijing, China, 2014.
- [338] Cleghorn, C. and Engelbrecht, A., Particle swarm convergence: An empirical investigation, in *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*, edited by Coello Coello, C. A., pages 2524–2530, Beijing, China, 2014.
- [339] Ma, J., Zhang, J., Wang, W., and Yao, J., Phase transition particle swarm optimization, in *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*, edited by Coello Coello, C. A., pages 2531–2538, Beijing, China, 2014.
- [340] Zhang, K., Weise, T., and Li, J., Fitness level based adaptive operator selection for cutting stock problems with contiguity, in *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*, edited by Coello Coello, C. A., pages 2539–2546, Beijing, China, 2014.
- [341] Klazar, R. and Engelbrecht, A., Parameter optimization by means of statistical quality guides in F-Race, in *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*, edited by Coello Coello, C. A., pages 2547–2552, Beijing, China, 2014.
- [342] Zhang, L. and He, R., A globally diversified island model PGA for multimodal optimization, in *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*, edited by Coello Coello, C. A., pages 2553–2561, Beijing, China, 2014.
- [343] Pereira, M., Roisenberg, M., and Neto, G., A topological niching covariance matrix adaptation for multimodal optimization, in *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*, edited by Coello Coello, C. A., pages 2562–2569, Beijing, China, 2014.

- [344] Vafaei, F., Turan, G., Nelson, P., and Berger-Wolf, T., Balancing the exploration and exploitation in an adaptive diversity guided genetic algorithm, in *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*, edited by Coello Coello, C. A., pages 2570–2577, Beijing, China, 2014.
- [345] Peng, X., Lei, X., and Liu, K., Compensate information from multimodal dynamic landscapes: An anti-pathology cooperative coevolutionary algorithm, in *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*, edited by Coello Coello, C. A., pages 2578–2584, Beijing, China, 2014.
- [346] Kazimipour, B., Li, X., and Qin, A., A review of population initialization techniques for evolutionary algorithms, in *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*, edited by Coello Coello, C. A., pages 2585–2592, Beijing, China, 2014.
- [347] Fieldsend, J., 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 Coello Coello, C. A., pages 2593–2600, Beijing, China, 2014.
- [348] Zhu, L., Deb, K., and Kulkarni, S., 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 Coello Coello, C. A., pages 2601–2608, Beijing, China, 2014.
- [349] Smith, C., Doherty, J., and Jin, Y., 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 Coello Coello, C. A., pages 2609–2616, Beijing, China, 2014.
- [350] Wesolkowski, S., Francetic, N., and Grant, S., TraDE: Training device selection via multi-objective optimization, in *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*, edited by Coello Coello, C. A., pages 2617–2624, Beijing, China, 2014.
- [351] Abdul, W., Xiaoying, G., and Peter, A., Multi-view clustering of web documents using multi-objective genetic algorithm, in *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*, edited by Coello Coello, C. A., pages 2625–2632, Beijing, China, 2014.
- [352] Masuda, H., Nojima, Y., and Ishibuchi, H., 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 Coello Coello, C. A., pages 2633–2640, Beijing, China, 2014.
- [353] Hu, W., Yen, G., and Zhang, X., Sensitivity analysis of parallel cell coordinate system in many-objective particle swarm optimization, in *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*, edited by Coello Coello, C. A., pages 2641–2648, Beijing, China, 2014.
- [354] Maia, R., de Castro, L., and Caminhas, W., Real-parameter optimization with OptBees, in *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*, edited by Coello Coello, C. A., pages 2649–2655, Beijing, China, 2014.
- [355] Shan, H., Yasuda, T., and Ohkura, K., 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 Coello Coello, C. A., pages 2656–2663, Beijing, China, 2014.
- [356] Ding, K. and Tan, Y., Comparison of random number generators in particle swarm optimization algorithm, in *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*, edited by Coello Coello, C. A., pages 2664–2671, Beijing, China, 2014.
- [357] Chen, L., Liu, H.-L., Zheng, Z., and Xie, S., A evolutionary algorithm based on covariance matrix learning and searching preference for solving CEC 2014 benchmark problems, in *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*, edited by Coello Coello, C. A., pages 2672–2677, Beijing, China, 2014.

- [358] Leite, V., Silva, C., Claro, J., and Sousa, J. M. C., Optimization of power flow with energy storage using genetic algorithms, in *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*, edited by Coello Coello, C. A., pages 2678–2684, Beijing, China, 2014.
- [359] Yang, Z., Li, K., Foley, A., and Zhang, C., 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 Coello Coello, C. A., pages 2685–2691, Beijing, China, 2014.
- [360] Richter, H., Codynamic fitness landscapes of coevolutionary minimal substrates, in *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*, edited by Coello Coello, C. A., pages 2692–2699, Beijing, China, 2014.
- [361] Dick, G. and Yao, X., Model representation and cooperative coevolution for finite-state machine evolution, in *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*, edited by Coello Coello, C. A., pages 2700–2707, Beijing, China, 2014.
- [362] Wu, S.-Y. and Liu, J.-S., 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 Coello Coello, C. A., pages 2708–2715, Beijing, China, 2014.
- [363] Karim, M. R. and Mouhoub, M., Coevolutionary genetic algorithm for variable ordering in CSPs, in *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*, edited by Coello Coello, C. A., pages 2716–2723, Beijing, China, 2014.
- [364] Menendez, H. D., Barrero, D. F., and Camacho, D., 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 Coello Coello, C. A., pages 2724–2731, Beijing, China, 2014.
- [365] Bidlo, M., Evolving multiplication as emergent behavior in cellular automata using conditionally matching rules, in *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*, edited by Coello Coello, C. A., pages 2732–2739, Beijing, China, 2014.
- [366] Menendez, H. D., Plaza, L., and Camacho, D., Combining graph connectivity and genetic clustering to improve biomedical summarization, in *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*, edited by Coello Coello, C. A., pages 2740–2747, Beijing, China, 2014.
- [367] Datta, S., Rakshit, P., Konar, A., and Nagar, A. K., 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 Coello Coello, C. A., pages 2748–2755, Beijing, China, 2014.
- [368] Ahmed, S., Zhang, M., and Peng, L., 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 Coello Coello, C. A., pages 2756–2763, Beijing, China, 2014.
- [369] Byrne, J., Nicolau, M., Brabazon, A., and O’Neill, M., An examination of synchronisation in artificial gene regulatory networks, in *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*, edited by Coello Coello, C. A., pages 2764–2769, Beijing, China, 2014.
- [370] Soncco-Alvarez, J. L. and Ayala-Rincon, M., Memetic algorithm for sorting unsigned permutations by reversals, in *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*, edited by Coello Coello, C. A., pages 2770–2777, Beijing, China, 2014.
- [371] Fogel, G., Liu, E., Salemi, M., Lamers, S., and McGrath, M., Evolved neural networks for HIV-1 co-receptor identification, in *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*, edited by Coello Coello, C. A., pages 2778–2784, Beijing, China, 2014.

- [372] Mario, E. D., Navarro, I., and Martinoli, A., 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 Coello Coello, C. A., pages 2785–2792, Beijing, China, 2014.
- [373] Pretorius, C., du Plessis, M., and Gonsalves, J., 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 Coello Coello, C. A., pages 2793–2800, Beijing, China, 2014.
- [374] Moshaiiov, A. and Tal, A., 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 Coello Coello, C. A., pages 2801–2808, Beijing, China, 2014.
- [375] Moshaiiov, A. and Abramovich, O., 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 Coello Coello, C. A., pages 2809–2816, Beijing, China, 2014.
- [376] Dornberger, R., Hanne, T., Ryter, R., and Michael, S., 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 Coello Coello, C. A., pages 2817–2824, Beijing, China, 2014.
- [377] Alam, K., Ray, T., and Anavatti, S. G., 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 Coello Coello, C. A., pages 2825–2832, Beijing, China, 2014.
- [378] Kazimipour, B., Omidvar, M. N., Li, X., and Qin, A., 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 Coello Coello, C. A., pages 2833–2840, Beijing, China, 2014.
- [379] Cooper, I., John, M., Lewis, R., Olden, A., and Mumford, C., 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 Coello Coello, C. A., pages 2841–2848, Beijing, China, 2014.
- [380] Watanabe, T. et al., Many-objective evolutionary computation for optimization of separated-flow control using a DBD plasma actuator, in *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*, edited by Coello Coello, C. A., pages 2849–2854, Beijing, China, 2014.
- [381] Lin, L., Mitsuo, G., and Yan, L., A hybrid EA for high-dimensional subspace clustering problem, in *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*, edited by Coello Coello, C. A., pages 2855–2860, Beijing, China, 2014.
- [382] yu Du, M., juan Lei, X., and qiang Wu, Z., A simplified glowworm swarm optimization algorithm, in *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*, edited by Coello Coello, C. A., pages 2861–2868, Beijing, China, 2014.
- [383] Li, B., Li, J., Tang, K., and Yao, X., An improved two archive algorithm for many-objective optimization, in *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*, edited by Coello Coello, C. A., pages 2869–2876, Beijing, China, 2014.
- [384] Xiao, Y., Trefzer, M., Walker, J., Bale, S., and Tyrrell, A., Two step evolution strategy for device motif BSIM model parameter extraction, in *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*, edited by Coello Coello, C. A., pages 2877–2884, Beijing, China, 2014.

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

- [400] Xie, J., Mei, Y., Ernst, A., Li, X., and Song, A., A genetic programming-based hyper-heuristic approach for storage location assignment problem, in *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*, edited by Coello Coello, C. A., pages 3000–3007, Beijing, China, 2014.
- [401] Burman, R., Das, S., Haque, Z., Vasilakos, A. V., and Chakraborti, S., The monarchy driven optimization algorithm, in *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*, edited by Coello Coello, C. A., pages 3008–3015, Beijing, China, 2014.
- [402] Jin, N. and Yao, X., Heuristic optimization for software project management with impacts of team efficiency, in *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*, edited by Coello Coello, C. A., pages 3016–3023, Beijing, China, 2014.
- [403] Wang, Q., Li, H., Gong, M., Su, L., and Jiao, L., 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 Coello Coello, C. A., pages 3024–3029, Beijing, China, 2014.
- [404] Tsai, P.-C., Chen, C.-M., and ping Chen, Y., A novel evaluation function for LT codes degree distribution optimization, in *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*, edited by Coello Coello, C. A., pages 3030–3035, Beijing, China, 2014.
- [405] Triguero, I., Peralta, D., Bacardit, J., Garcia, S., and Herrera, F., A combined MapReduce-windowing two-level parallel scheme for evolutionary prototype generation, in *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*, edited by Coello Coello, C. A., pages 3036–3043, Beijing, China, 2014.
- [406] Gu, L., Yang, P., and Dong, Y., A dynamic-weighted collaborative filtering approach to address sparsity and adaptivity issues, in *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*, edited by Coello Coello, C. A., pages 3044–3050, Beijing, China, 2014.
- [407] Reid, S., Malan, K., and Engelbrecht, A., Carry trade portfolio optimization using particle swarm optimization, in *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*, edited by Coello Coello, C. A., pages 3051–3058, Beijing, China, 2014.
- [408] reza Bonyadi, M. and Michalewicz, Z., 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 Coello Coello, C. A., pages 3059–3066, Beijing, China, 2014.
- [409] Dong, W. and Zeng, S., Linear sparse arrays designed by dynamic constrained multi-objective evolutionary algorithm, in *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*, edited by Coello Coello, C. A., pages 3067–3072, Beijing, China, 2014.
- [410] Si, C., Shen, J., Zou, X., Wang, L., and Wu, Q., Mapping constrained optimization problems to penalty parameters: An empirical study, in *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*, edited by Coello Coello, C. A., pages 3073–3079, Beijing, China, 2014.
- [411] Singh, P., Couckuyt, I., Ferranti, F., and Dhaene, T., A constrained multi-objective surrogate-based optimization algorithm, in *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*, edited by Coello Coello, C. A., pages 3080–3087, Beijing, China, 2014.
- [412] Poursoltan, S. and Neumann, F., 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 Coello Coello, C. A., pages 3088–3095, Beijing, China, 2014.
- [413] Ki-Baek, L. and Jong-Hwan, K., DMOPSO: Dual multi-objective particle swarm optimization, in *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*, edited by Coello Coello, C. A., pages 3096–3102, Beijing, China, 2014.

- [414] Cheng, R. and Jin, Y., Demonstrator selection in a social learning particle swarm optimizer, in *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*, edited by Coello Coello, C. A., pages 3103–3110, Beijing, China, 2014.
- [415] Nguyen, B. H., Xue, B., Liu, I., and Zhang, M., 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 Coello Coello, C. A., pages 3111–3118, Beijing, China, 2014.
- [416] Xue, B., Qin, A. K., and Zhang, M., An archive based particle swarm optimisation for feature selection in classification, in *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*, edited by Coello Coello, C. A., pages 3119–3126, Beijing, China, 2014.
- [417] da Silva, A. S., Ma, H., and Zhang, M., 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 Coello Coello, C. A., pages 3127–3134, Beijing, China, 2014.
- [418] Hardhienata, M., Ugrinovskii, V., and Merrick, K., Task allocation under communication constraints using motivated particle swarm optimization, in *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*, edited by Coello Coello, C. A., pages 3135–3142, Beijing, China, 2014.
- [419] McNabb, A. and Seppi, K., Serial PSO results are irrelevant in a multi-core parallel world, in *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*, edited by Coello Coello, C. A., pages 3143–3150, Beijing, China, 2014.
- [420] Helbig, M. and Engelbrecht, A., Heterogeneous dynamic vector evaluated particle swarm optimisation for dynamic multi-objective optimisation, in *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*, edited by Coello Coello, C. A., pages 3151–3159, Beijing, China, 2014.
- [421] Liu, M., Zheng, J., Wang, J., Liu, Y., and Jiang, L., An adaptive diversity introduction method for dynamic evolutionary multiobjective optimization, in *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*, edited by Coello Coello, C. A., pages 3160–3167, Beijing, China, 2014.
- [422] Azzouz, R., Bechikh, S., and Said, L. B., 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 Coello Coello, C. A., pages 3168–3175, Beijing, China, 2014.
- [423] Rakshit, P., Konar, A., and Nagar, A., Artificial bee colony induced multi-objective optimization in presence of noise, in *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*, edited by Coello Coello, C. A., pages 3176–3183, Beijing, China, 2014.
- [424] Friedrich, T. and Menzel, S., 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 Coello Coello, C. A., pages 3184–3191, Beijing, China, 2014.
- [425] Biswas, S., Das, S., Suganthan, P. N., and Coello, C. A. C., Evolutionary multiobjective optimization in dynamic environments: A set of novel benchmark functions, in *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*, edited by Coello Coello, C. A., pages 3192–3199, Beijing, China, 2014.
- [426] Zhang, B., Zhang, M.-X., and Zheng, Y.-J., A hybrid biogeography-based optimization and fireworks algorithm, in *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*, edited by Coello Coello, C. A., pages 3200–3206, Beijing, China, 2014.

- [427] Liu, J., Zheng, S., and Tan, Y., Analysis on global convergence and time complexity of fireworks algorithm, in *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*, edited by Coello Coello, C. A., pages 3207–3213, Beijing, China, 2014.
- [428] Li, J., Zheng, S., and Tan, Y., Adaptive fireworks algorithm, in *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*, edited by Coello Coello, C. A., pages 3214–3221, Beijing, China, 2014.
- [429] Zheng, S., Janecek, A., Li, J., and Tan, Y., Dynamic search in fireworks algorithm, in *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*, edited by Coello Coello, C. A., pages 3222–3229, Beijing, China, 2014.
- [430] Cheng, S., Shi, Y., Qin, Q., Ting, T. O., and Bai, R., Maintaining population diversity in brain storm optimization algorithm, in *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*, edited by Coello Coello, C. A., pages 3230–3237, Beijing, China, 2014.
- [431] Yu, C., Kelley, L., Zheng, S., and Tan, Y., Fireworks algorithm with differential mutation for solving the CEC 2014 competition problems, in *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*, edited by Coello Coello, C. A., pages 3238–3245, Beijing, China, 2014.
- [432] Ivan, Z., Jouni, L., Roman, S., Michal, P., and Donald, D., Evolutionary algorithms dynamics and its hidden complex network structures, in *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*, edited by Coello Coello, C. A., pages 3246–3251, Beijing, China, 2014.
- [433] Suzuki, M., Tsuruta, S., Knauf, R., and Sakurai, Y., Knowledge acquisition issues for intelligent route optimization by evolutionary computation, in *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*, edited by Coello Coello, C. A., pages 3252–3257, Beijing, China, 2014.
- [434] Menezes, M., Goldberg, M., and Goldberg, E., A memetic algorithm for the prize collecting traveling car renter problem, in *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*, edited by Coello Coello, C. A., pages 3258–3265, Beijing, China, 2014.
- [435] Wu, M., Karkar, A., Liu, B., Yakovlev, A., and Gielen, G., Network on chip optimization based on surrogate model assisted evolutionary algorithms, in *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*, edited by Coello Coello, C. A., pages 3266–3271, Beijing, China, 2014.
- [436] Liao, X.-L., Chien, C.-H., and Ting, C.-K., A genetic algorithm for the minimum latency pickup and delivery problem, in *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*, edited by Coello Coello, C. A., pages 3272–3279, Beijing, China, 2014.
- [437] Weiszer, M., Chen, J., Ravizza, S., Atkin, J., and Stewart, P., A heuristic approach to greener airport ground movement, in *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*, edited by Coello Coello, C. A., pages 3280–3286, Beijing, China, 2014.