Список литературы

[1] LEE, G., LUO, M., ZAMBETTA, F., and LI, X., Learning a Super Mario controller from examples of human play, in Coello Coello, C. A., editor, *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*, pp. 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 Coello Coello, C. A., editor, *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*, pp. 9–12, Beijing, China, 2014.

[3] ASHLOCK, D. and HINGSTON, P., *Tego - a framework for adversarial planning, in Coello Coello, C. A., editor, *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*, pp. 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 Coello Coello, C. A., editor, *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*, pp. 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 Coello Coello, C. A., editor, *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*, pp. 28–35, Beijing, China, 2014.

[6] HANDA, H., Deep boltzmann machine for evolutionary agents of Mario AI, in Coello Coello, C. A., editor, *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*, pp. 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 Coello Coello, C. A., editor, *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*, pp. 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 Coello Coello, C. A., editor, *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*, pp. 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 Coello Coello, C. A., editor, *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*, pp. 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 Coello Coello, C. A., editor, *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*, pp. 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 Coello Coello, C. A., editor, *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*, pp. 74–81, Beijing, China, 2014.

[12] LIU, C. and LI, B., Memetic algorithm with adaptive local search depth for large scale global optimization, in Coello Coello, C. A., editor, *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*, pp. 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 Coello Coello, C. A., editor, *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*, pp. 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 Coello Coello, C. A., editor, *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*, pp. 97–104, Beijing, China, 2014.

[15] SCHAEFER, G., KRAWCZYK, B., DOSHI, N., and NAKASHIMA, T., Cost-sensitive texture classification, in Coello Coello, C. A., editor, *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*, pp. 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 Coello Coello, C. A., editor, *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*, pp. 109–116, Beijing, China, 2014.

[17] FU, W., JOHNSTON, M., and ZHANG, M., Unsupervised learning for edge detection using genetic programming, in Coello Coello, C. A., editor, *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*, pp. 117–124, Beijing, China, 2014.

[18] WAGNER, M. and NEUMANN, F., Single- and multi-objective genetic programming: New runtime results for SORTING, in Coello Coello, C. A., editor, *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*, pp. 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 Coello Coello, C. A., editor, *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*, pp. 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 Coello Coello, C. A., editor, *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*, pp. 141–148, Beijing, China, 2014.

[21] YU, Y. and QIAN, H., The sampling-and-learning framework: A statistical view of evolutionary algorithms, in Coello Coello, C. A., editor, *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*, pp. 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 Coello Coello, C. A., editor, *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*, pp. 159–166, Beijing, China, 2014.

[23] EVERITT, T., LATTIMORE, T., and HUTTER, M., Free lunch for optimisation under the universal distribution, in Coello Coello, C. A., editor, *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*, pp. 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 Coello Coello, C. A., editor, *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*, pp. 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 Coello Coello, C. A., editor, *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*, pp. 183–189, Beijing, China, 2014.

[26] XIANG, T., ZHANG, W., and CHEN, F., A verifiable PSO algorithm in cloud computing, in Coello Coello, C. A., editor, *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*, pp. 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 Coello Coello, C. A., editor, *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*, pp. 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 Coello Coello, C. A., editor, *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*, pp. 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 Coello Coello, C. A., editor, *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*, pp. 210–217, Beijing, China, 2014.

[30] YAN, P. and JIAO, M., A chaotic particle swarm optimization algorithm for the jobshop scheduling problem, in Coello Coello, C. A., editor, *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*, pp. 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 Coello Coello, C. A., editor, *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*, pp. 223–228, Beijing, China, 2014.

[32] WU, N., ZHU, Z., and JI, Z., A growing partitional clustering based on particle swarm optimization, in Coello Coello, C. A., editor, *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*, pp. 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 Coello Coello, C. A., editor, *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*, pp. 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 Coello Coello, C. A., editor, *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*, pp. 242–249, Beijing, China, 2014.

[35] LAURI, F. and KOUKAM, A., Hybrid ACO/EA algorithms applied to the multi-agent patrolling problem, in Coello Coello, C. A., editor, *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*, pp. 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 Coello Coello, C. A., editor, *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*, pp. 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 Coello Coello, C. A., editor, *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*, pp. 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 Coello Coello, C. A., editor, *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*, pp. 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 Coello Coello, C. A., editor, *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*, pp. 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 Coello Coello, C. A., editor, *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*, pp. 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 Coello Coello, C. A., editor, *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*, pp. 298–304, Beijing, China, 2014.

[42] CAI, Y. and DU, J., Enhanced differential evolution with adaptive direction information, in Coello Coello, C. A., editor, *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*, pp. 305–312, Beijing, China, 2014.

[43] LOTIF, M., Visualizing the population of meta-heuristics during the optimization process using self-organizing maps, in Coello Coello, C. A., editor, *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*, pp. 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 Coello Coello, C. A., editor, *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*, pp. 320–325, Beijing, China, 2014.

[45] TURKY, A. and ABDULLAH, S., Using electromagnetic algorithm for tuning the structure and parameters of neural networks, in Coello Coello, C. A., editor, *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*, pp. 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 Coello Coello, C. A., editor, *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*, pp. 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 Coello Coello, C. A., editor, *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*, pp. 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 Coello Coello, C. A., editor, *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*, pp. 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 Coello Coello, C. A., editor, *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*, pp. 352–357, Beijing, China, 2014.

[50] FARZAN, S. and DESOUZA, G., A parallel evolutionary solution for the inverse kinematics of generic robotic manipulators, in Coello Coello, C. A., editor, *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*, pp. 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 Coello Coello, C. A., editor, *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*, pp. 366–370, Beijing, China, 2014.

[52] TAMURA, K. and YASUDA, K., Primary study on feedback controlled differential evolution, in Coello Coello, C. A., editor, *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*, pp. 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 Coello Coello, C. A., editor, *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*, pp. 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 Coello Coello, C. A., editor, *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*, pp. 387–396, Beijing, China, 2014.

[55] LI, Y., ZHOU, A., and ZHANG, G., An MOEA/D with multiple differential evolution mutation operators, in Coello Coello, C. A., editor, *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*, pp. 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 Coello Coello, C. A., editor, *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*, pp. 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 Coello Coello, C. A., editor, *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*, pp. 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 Coello Coello, C. A., editor, *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*, pp. 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 Coello Coello, C. A., editor, *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*, pp. 429–436, Beijing, China, 2014.

[60] GEORGIEVA, K. S. and ENGELBRECHT, A. P., Cooperative DynDE for temporal data clustering, in Coello Coello, C. A., editor, *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*, pp. 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 Coello Coello, C. A., editor, *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*, pp. 445–450, Beijing, China, 2014.

[62] AALTO, J. and LAMPINEN, J., A mutation and crossover adaptation mechanism for differential evolution algorithm, in Coello Coello, C. A., editor, *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*, pp. 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 Coello Coello, C. A., editor, *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*, pp. 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 Coello Coello, C. A., editor, *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*, pp. 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 Coello Coello, C. A., editor, *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*, pp. 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 Coello Coello, C. A., editor, *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*, pp. 483–490, Beijing, China, 2014.

[67] CUI, T., CHENG, S., and BAI, R., A combinatorial algorithm for the cardinality constrained portfolio optimization problem, in Coello Coello, C. A., editor, *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*, pp. 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 Coello Coello, C. A., editor, *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*, pp. 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 Coello Coello, C. A., editor, *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*, pp. 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 Coello Coello, C. A., editor, *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*, pp. 512–519, Beijing, China, 2014.

[71] SABAR, N. R. and KENDALL, G., Aircraft landing problem using hybrid differential evolution and simple descent algorithm, in Coello Coello, C. A., editor, *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*, pp. 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 Coello Coello, C. A., editor, *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*, pp. 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 Coello Coello, C. A., editor, *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*, pp. 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 Coello Coello, C. A., editor, *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*, pp. 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 Coello Coello, C. A., editor, *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*, pp. 551–557, Beijing, China, 2014.

[76] LIANG, Y.-C., CHEN, H.-L., and NIEN, Y.-H., Artificial bee colony for workflow scheduling, in Coello Coello, C. A., editor, *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*, pp. 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 Coello Coello, C. A., editor, *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*, pp. 565–572, Beijing, China, 2014.

[78] JANA, N. D., DAS, S., and SIL, J., Particle swarm optimization with population adaptation, in Coello Coello, C. A., editor, *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*, pp. 573–578, Beijing, China, 2014.

[79] LIU, M., SINGH, H., and RAY, T., A benchmark generator for dynamic capacitated arc routing problems, in Coello Coello, C. A., editor, *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*, pp. 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 RCPSP, in Coello Coello, C. A., editor, *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*, pp. 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 Coello Coello, C. A., editor, *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*, pp. 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 Coello Coello, C. A., editor, *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*, pp. 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 Coello Coello, C. A., editor, *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*, pp. 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 Coello Coello, C. A., editor, *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*, pp. 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 Coello Coello, C. A., editor, *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*, pp. 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 Coello Coello, C. A., editor, *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*, pp. 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 Coello Coello, C. A., editor, *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*, pp. 640–646, Beijing, China, 2014.

[88] NIU, B. and BI, Y., Binary bacterial foraging optimization for solving 0/1 knapsack problem, in Coello Coello, C. A., editor, *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*, pp. 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 Coello Coello, C. A., editor, *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*, pp. 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 Coello Coello, C. A., editor, *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*, pp. 661–666, Beijing, China, 2014.

[91] WU, J., YUAN, L., GONG, Q., MA, W., MA, J., et al., A compression optimization algorithm for community detection, in Coello Coello, C. A., editor, *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*, pp. 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 Coello Coello, C. A., editor, *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*, pp. 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 Coello Coello, C. A., editor, *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*, pp. 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 Coello Coello, C. A., editor, *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*, pp. 687–692, Beijing, China, 2014.

[95] KUANG, L., ZHAO, Z., WANG, F., LI, Y., YU, F., et al., A differential evolution box-covering algorithm for fractal dimension on complex networks, in Coello Coello, C. A., editor, *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*, pp. 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 Coello Coello, C. A., editor, *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*, pp. 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 Coello Coello, C. A., editor, *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*, pp. 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 Coello Coello, C. A., editor, *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*, pp. 715–722, Beijing, China, 2014.

[99] ZHANG, H., SONG, S., ZHOU, A., and GAO, X.-Z., A clustering based multiobjective evolutionary algorithm, in Coello Coello, C. A., editor, *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*, pp. 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 Coello Coello, C. A., editor, *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*, pp. 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 Coello Coello, C. A., editor, *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*, pp. 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 Coello Coello, C. A., editor, *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*, pp. 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 Coello Coello, C. A., editor, *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*, pp. 754–761, Beijing, China, 2014.

[104] LIU, J., HE, Y., and HU, Y., Regression ensemble with PSO algorithms based fuzzy integral, in Coello Coello, C. A., editor, *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*, pp. 762–768, Beijing, China, 2014.

[105] JIANG, S. and YANG, S., An improved quantum-behaved particle swarm optimization based on linear interpolation, in Coello Coello, C. A., editor, *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*, pp. 769–775, Beijing, China, 2014.

[106] OH, H. and JIN, Y., Evolving hierarchical gene regulatory networks for morphogenetic pattern formation of swarm robotics, in Coello Coello, C. A., editor, *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*, pp. 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 Coello Coello, C. A., editor, *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*, pp. 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 Coello Coello, C. A., editor, *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*, pp. 792–797, Beijing, China, 2014.

[109] LI, X., HE, W., and HIRASAWA, K., Learning and evolution of genetic network programming with knowledge transfer, in Coello Coello, C. A., editor, *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*, pp. 798–805, Beijing, China, 2014.

[110] YANG, M., CAI, Z., LI, C., and GUAN, J., An improved JADE algorithm for global optimization, in Coello Coello, C. A., editor, *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*, pp. 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 Coello Coello, C. A., editor, *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*, pp. 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 Coello Coello, C. A., editor, *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*, pp. 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 Coello Coello, C. A., editor, *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*, pp. 826–831, Beijing, China, 2014.

[114] SCHLUETER, M. and MUNETOMO, M., Parallelization for space trajectory optimization, in Coello Coello, C. A., editor, *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*, pp. 832–839, Beijing, China, 2014.

[115] JIANG, Q., WANG, L., HEI, X., FEI, R., YANG, D., et al., Optimal approximation of stable linear systems with a novel and efficient optimization algorithm, in Coello Coello, C. A., editor, *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*, pp. 840–844, Beijing, China, 2014.

[116] BOLUFE-ROHLER, A. and CHEN, S., Extending minimum population search towards large scale global optimization, in Coello Coello, C. A., editor, *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*, pp. 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 Coello Coello, C. A., editor, *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*, pp. 853–859, Beijing, China, 2014.

[118] DAVENDRA, D., SENKERIK, R., ZELINKA, I., and PLUHACEK, M., Scatter search algorithm with chaos based stochasticity, in Coello Coello, C. A., editor, *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*, pp. 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 Coello Coello, C. A., editor, *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*, pp. 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 Coello Coello, C. A., editor, *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*, pp. 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 Coello Coello, C. A., editor, *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*, pp. 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 Coello Coello, C. A., editor, *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*, pp. 888–894, Beijing, China, 2014.

[123] ALVARES, M., BUARQUE, F., and MARWALA, T., Application of computational intelligence for source code classification, in Coello Coello, C. A., editor, *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*, pp. 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 Coello Coello, C. A., editor, *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*, pp. 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 Coello Coello, C. A., editor, *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*, pp. 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 Coello Coello, C. A., editor, *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*, pp. 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 Coello Coello, C. A., editor, *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*, pp. 924–929, Beijing, China, 2014.

[128] BELLO-ORGAZ, G. and CAMACHO, D., Evolutionary clustering algorithm for community detection using graph-based information, in Coello Coello, C. A., editor, *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*, pp. 930–937, Beijing, China, 2014.

[129] NISHIYAMA, M. and IBA, H., Applying conversion matrix to robots for imitating motion using genetic algorithms, in Coello Coello, C. A., editor, *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*, pp. 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 Coello Coello, C. A., editor, *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*, pp. 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 Coello Coello, C. A., editor, *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*, pp. 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 Coello Coello, C. A., editor, *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*, pp. 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 Coello Coello, C. A., editor, *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*, pp. 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 Coello Coello, C. A., editor, *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*, pp. 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 Coello Coello, C. A., editor, *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*, pp. 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 Coello Coello, C. A., editor, *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*, pp. 991–997, Beijing, China, 2014.

[137] POOLE, D., ALLEN, C., and RENDALL, T., Constraint handling in agent-based optimization by independent sub-swarms, in Coello Coello, C. A., editor, *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*, pp. 998–1005, Beijing, China, 2014.

[138] ELSAYED, S., SARKER, R., and ESSAM, D., United multi-operator evolutionary algorithms, in Coello Coello, C. A., editor, *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*, pp. 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 Coello Coello, C. A., editor, *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*, pp. 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 Coello Coello, C. A., editor, *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*, pp. 1022–1029, Beijing, China, 2014.

[141] PANG, W. and COGHILL, G., An immune network approach to learning qualitative models of biological pathways, in Coello Coello, C. A., editor, *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*, pp. 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 Coello Coello, C. A., editor, *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*, pp. 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 Coello Coello, C. A., editor, *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*, pp. 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 Coello Coello, C. A., editor, *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*, pp. 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 Coello Coello, C. A., editor, *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*, pp. 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 Coello Coello, C. A., editor, *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*, pp. 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 Coello Coello, C. A., editor, *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*, pp. 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 Coello Coello, C. A., editor, *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*, pp. 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 Coello Coello, C. A., editor, *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*, pp. 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 Coello Coello, C. A., editor, *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*, pp. 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 Coello Coello, C. A., editor, *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*, pp. 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 Coello Coello, C. A., editor, *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*, pp. 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 Coello Coello, C. A., editor, *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*, pp. 1124–1130, Beijing, China, 2014.

[154] BOURENNANI, F., RAHNAMAYAN, S., and NATERER, G. F., Multi-objective differential evolution with leadership enhancement (MODEL), in Coello Coello, C. A., editor, *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*, pp. 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 Coello Coello, C. A., editor, *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*, pp. 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 Coello Coello, C. A., editor, *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*, pp. 1147–1154, Beijing, China, 2014.

[157] ALHINDI, A. and ZHANG, Q., MOEA/D with tabu search for multiobjective permutation flow shop scheduling problems, in Coello Coello, C. A., editor, *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*, pp. 1155–1164, Beijing, China, 2014.

[158] MING CHEUNG, Y. and GU, F., Online objective reduction for many-objective optimization problems, in Coello Coello, C. A., editor, *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*, pp. 1165–1171, Beijing, China, 2014.

[159] GEE, S. B. and TAN, K. C., Diversity preservation with hybrid recombination for evolutionary multiobjective optimization, in Coello Coello, C. A., editor, *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*, pp. 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 Coello Coello, C. A., editor, *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*, pp. 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 Coello Coello, C. A., editor, *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*, pp. 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 Coello Coello, C. A., editor, *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*, pp. 1195–1201, Beijing, China, 2014.

[163] TSANG, J., The structure of a probabilistic 2-state finite transducer representation for prisoner's dilemma, in Coello Coello, C. A., editor, *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*, pp. 1202–1209, Beijing, China, 2014.

[164] SCHEEPERS, C. and ENGELBRECHT, A., Competitive coevolutionary training of simple soccer agents from zero knowledge, in Coello Coello, C. A., editor, *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*, pp. 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 Coello Coello, C. A., editor, *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*, pp. 1218–1224, Beijing, China, 2014.

[166] LEE, S.-M. and MYUNG, H., A cooperative coevolutionary approach to multi-robot formation control, in Coello Coello, C. A., editor, *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*, pp. 1225–1231, Beijing, China, 2014.

[167] LI, M. and O'RIORDAN, C., Graph centrality measures and the robustness of cooperation, in Coello Coello, C. A., editor, *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*, pp. 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 Coello Coello, C. A., editor, *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*, pp. 1238–1242, Beijing, China, 2014.

[169] CHAN, K. Y., RAJAKARUNA, N., RATHNAYAKE, C., and MURRAY, I., Image deblurring using a hybrid optimization algorithm, in Coello Coello, C. A., editor, *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*, pp. 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 Coello Coello, C. A., editor, *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*, pp. 1250–1257, Beijing, China, 2014.

[171] YU, J.-C. and LIANG, Z.-F., Evolutionary regional network modeling for efficient engineering optimization, in Coello Coello, C. A., editor, *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*, pp. 1258–1264, Beijing, China, 2014.

[172] LI, F., ZHANG, Y., and LI, H., Quantum bacterial foraging optimization algorithm, in Coello Coello, C. A., editor, *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*, pp. 1265–1272, Beijing, China, 2014.

[173] LIU, W.-Y. and LIN, C.-C., A cultural algorithm for spatial forest harvest scheduling, in Coello Coello, C. A., editor, *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*, pp. 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 Coello Coello, C. A., editor, *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*, pp. 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 Coello Coello, C. A., editor, *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*, pp. 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 Coello Coello, C. A., editor, *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*, pp. 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 Coello Coello, C. A., editor, *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*, pp. 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 Coello Coello, C. A., editor, *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*, pp. 1305–1312, Beijing, China, 2014.

[179] MEI, Y., LI, X., and YAO, X., Variable neighborhood decomposition for large scale capacitated arc routing problem, in Coello Coello, C. A., editor, *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*, pp. 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 Coello Coello, C. A., editor, *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*, pp. 1321–1327, Beijing, China, 2014.

[181] GU, J. and SHI, X., An adaptive PSO based on motivation mechanism and acceleration restraint operator, in Coello Coello, C. A., editor, *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*, pp. 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 Coello Coello, C. A., editor, *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*, pp. 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 Coello Coello, C. A., editor, *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*, pp. 1343–1350, Beijing, China, 2014.

[184] ZHANG, J., ZHU, X., WANG, W., and YAO, J., A fast restarting particle swarm optimizer, in Coello Coello, C. A., editor, *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*, pp. 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 Coello Coello, C. A., editor, *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*, pp. 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 Coello Coello, C. A., editor, *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*, pp. 1367–1373, Beijing, China, 2014.

[187] SHUAI, L., WANG, Z., and GONG, T., Simulating the coevolution of language and long-term memory, in Coello Coello, C. A., editor, *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*, pp. 1374–1381, Beijing, China, 2014.

[188] CHEN, G., LUO, W., and ZHU, T., Evolutionary clustering with differential evolution, in Coello Coello, C. A., editor, *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*, pp. 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 Coello Coello, C. A., editor, *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*, pp. 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 Coello Coello, C. A., editor, *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*, pp. 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 Coello Coello, C. A., editor, *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*, pp. 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 Coello Coello, C. A., editor, *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*, pp. 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 Coello Coello, C. A., editor, *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*, pp. 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 Coello Coello, C. A., editor, *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*, pp. 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 Coello Coello, C. A., editor, *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*, pp. 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 Coello Coello, C. A., editor, *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*, pp. 1443–1448, Beijing, China, 2014.

[197] ZHANG, J. and MARINGER, D., Two parameter update schemes for recurrent reinforcement learning, in Coello Coello, C. A., editor, *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*, pp. 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 Coello Coello, C. A., editor, *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*, pp. 1454–1460, Beijing, China, 2014.

[199] HTIOUECH, S. and BOUAMAMA, S., A Lagrangian and surrogate information enhanced tabu search for the MMKP, in Coello Coello, C. A., editor, *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*, pp. 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 Coello Coello, C. A., editor, *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*, pp. 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 Coello Coello, C. A., editor, *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*, pp. 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 Coello Coello, C. A., editor, *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*, pp. 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 Coello Coello, C. A., editor, *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*, pp. 1490–1495, Beijing, China, 2014.

[204] HE, T. and CHAN, K. C., Evolutionary community detection in social networks, in Coello Coello, C. A., editor, *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*, pp. 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 Coello Coello, C. A., editor, *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*, pp. 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 Coello Coello, C. A., editor, *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*, pp. 1512–1519, Beijing, China, 2014.

[207] MATEI, O., CONTRAS, D., and POP, P., Applying evolutionary computation for evolving ontologies, in Coello Coello, C. A., editor, *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*, pp. 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 Coello Coello, C. A., editor, *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*, pp. 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 Coello Coello, C. A., editor, *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*, pp. 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 Coello Coello, C. A., editor, *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*, pp. 1542–1549, Beijing, China, 2014.

[211] FU, H., LEWIS, P., SENDHOFF, B., TANG, K., and YAO, X., What are dynamic optimization problems?, in Coello Coello, C. A., editor, *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*, pp. 1550–1557, Beijing, China, 2014.

[212] CHOW, C. K. and YUEN, S. Y., A dynamic history-driven evolutionary algorithm, in Coello Coello, C. A., editor, *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*, pp. 1558–1564, Beijing, China, 2014.

[213] ZHAN, Z.-H. and ZHANG, J., Adaptive particle swarm optimization with variable relocation for dynamic optimization problems, in Coello Coello, C. A., editor, *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*, pp. 1565–1570, Beijing, China, 2014.

[214] CHANG, P.-C. and HE, X., Macroscopic indeterminacy swarm optimization (MISO) algorithm for real-parameter search, in Coello Coello, C. A., editor, *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*, pp. 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 Coello Coello, C. A., editor, *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*, pp. 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 Coello Coello, C. A., editor, *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*, pp. 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 Coello Coello, C. A., editor, *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*, pp. 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 Coello Coello, C. A., editor, *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*, pp. 1601–1608, Beijing, China, 2014.

[219] YUSOH, Z. M. and TANG, M., Composite SaaS scaling in cloud computing using a hybrid genetic algorithm, in Coello Coello, C. A., editor, *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*, pp. 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 Coello Coello, C. A., editor, *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*, pp. 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 Coello Coello, C. A., editor, *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*, pp. 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 objetive optimisation, in Coello Coello, C. A., editor, *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*, pp. 1633–1640, Beijing, China, 2014.

[223] GARDEN, R. and ENGELBRECHT, A., Analysis and classification of optimisation benchmark functions and benchmark suites, in Coello Coello, C. A., editor, *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*, pp. 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 Coello Coello, C. A., editor, *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*, pp. 1650–1657, Beijing, China, 2014.

[225] TANABE, R. and FUKUNAGA, A., Improving the search performance of SHADE using linear population size reduction, in Coello Coello, C. A., editor, *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*, pp. 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 Coello Coello, C. A., editor, *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*, pp. 1666–1673, Beijing, China, 2014.

[227] SCARDAPANE, S., COMMINIELLO, D., SCARPINITI, M., and UNCINI, A., GP-based kernel evolution for L2-regularization networks, in Coello Coello, C. A., editor, *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*, pp. 1674–1681, Beijing, China, 2014.

[228] LI, X., HE, W., and HIRASAWA, K., Generalized classifier system: Evolving classifiers with cyclic conditions, in Coello Coello, C. A., editor, *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*, pp. 1682–1689, Beijing, China, 2014.

[229] LEE, P.-M. and HSIAO, T.-C., Applying LCS to affective images classification in spatial-frequency domain, in Coello Coello, C. A., editor, *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*, pp. 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 Coello Coello, C. A., editor, *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*, pp. 1698–1705, Beijing, China, 2014.

[231] GLETTE, K. and KAUFMANN, P., Lookup table partial reconfiguration for an evolvable hardware classifier system, in Coello Coello, C. A., editor, *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*, pp. 1706–1713, Beijing, China, 2014.

[232] PAT, A., Ant colony optimization and hypergraph covering problems, in Coello Coello, C. A., editor, *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*, pp. 1714–1720, Beijing, China, 2014.

[233] HE, P., LU, L., XU, X., LI, K., QIAN, H., et al., Confidence-based ant random walks, in Coello Coello, C. A., editor, *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*, pp. 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 Coello Coello, C. A., editor, *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*, pp. 1729–1735, Beijing, China, 2014.

[235] DAWSON, L. and STEWART, I., Accelerating ant colony optimization-based edge detection on the GPU using CUDA, in Coello Coello, C. A., editor, *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*, pp. 1736–1743, Beijing, China, 2014.

[236] WU, Z. and KOLONKO, M., Absorption in model-based search algorithms for combinatorial optimization, in Coello Coello, C. A., editor, *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*, pp. 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 Coello Coello, C. A., editor, *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*, pp. 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 Coello Coello, C. A., editor, *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*, pp. 1760–1767, Beijing, China, 2014.

[239] SALEHINEJAD, H., RAHNAMAYAN, S., and TIZHOOSH, H. R., Toward using type-II opposition in optimization, in Coello Coello, C. A., editor, *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*, pp. 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 Coello Coello, C. A., editor, *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*, pp. 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 Coello Coello, C. A., editor, *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*, pp. 1784–1791, Beijing, China, 2014.

[242] MINISCI, E. and VASILE, M., Adaptive inflationary differential evolution, in Coello Coello, C. A., editor, *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*, pp. 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 Coello Coello, C. A., editor, *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*, pp. 1800–1807, Beijing, China, 2014.

[244] LI, X., HE, W., and HIRASAWA, K., Adaptive genetic network programming, in Coello Coello, C. A., editor, *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*, pp. 1808–1815, Beijing, China, 2014.

[245] WEISE, T., WAN, M., TANG, K., and YAO, X., Evolving exact integer algorithms with genetic programming, in Coello Coello, C. A., editor, *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*, pp. 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 Coello Coello, C. A., editor, *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*, pp. 1824–1831, Beijing, China, 2014.

[247] XIE, C. and SHANG, L., Anomaly detection in crowded scenes using genetic programming, in Coello Coello, C. A., editor, *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*, pp. 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 Coello Coello, C. A., editor, *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*, pp. 1840–1846, Beijing, China, 2014.

[249] KREN, T. and NERUDA, R., Generating lambda term individuals in typed genetic programming using forgetful A*, in Coello Coello, C. A., editor, *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*, pp. 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 Coello Coello, C. A., editor, *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*, pp. 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 Coello Coello, C. A., editor, *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*, pp. 1863–1869, Beijing, China, 2014.

[252] SINHA, A., MALO, P., and DEB, K., An improved bilevel evolutionary algorithm based on quadratic approximations, in Coello Coello, C. A., editor, *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*, pp. 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 Coello Coello, C. A., editor, *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*, pp. 1878–1882, Beijing, China, 2014.

[254] ZHENG, Y.-J., ZHANG, B., and CHENG, Z., Hyper-heuristics with penalty parameter adaptation for constrained optimization, in Coello Coello, C. A., editor, *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*, pp. 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 Coello Coello, C. A., editor, *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*, pp. 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 Coello Coello, C. A., editor, *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*, pp. 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 Coello Coello, C. A., editor, *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*, pp. 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 Coello Coello, C. A., editor, *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*, pp. 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 Coello Coello, C. A., editor, *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*, pp. 1917–1921, Beijing, China, 2014.

[260] PANDIYAN, M., Soft computing techniques based optimal tuning of virtual feedback PID controller for chemical tank reactor, in Coello Coello, C. A., editor, *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*, pp. 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 Coello Coello, C. A., editor, *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*, pp. 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 Coello Coello, C. A., editor, *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*, pp. 1937–1943, Beijing, China, 2014.

[263] TSAI, P.-C., CHEN, C.-M., and PING CHEN, Y., PSO-based evacuation simulation framework, in Coello Coello, C. A., editor, *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*, pp. 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 Coello Coello, C. A., editor, *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*, pp. 1951–1958, Beijing, China, 2014.

[265] JARIYATANTIWAIT, C. and YEN, G., Fuzzy multiobjective differential evolution using performance metrics feedback, in Coello Coello, C. A., editor, *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*, pp. 1959–1966, Beijing, China, 2014.

[266] YUEN, S. Y. and ZHANG, X., Multiobjective evolutionary algorithm portfolio: Choosing suitable algorithm for multiobjective optimization problem, in Coello Coello, C. A., editor, *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*, pp. 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 Coello Coello, C. A., editor, *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*, pp. 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 Coello Coello, C. A., editor, *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*, pp. 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 Coello Coello, C. A., editor, *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*, pp. 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 Coello Coello, C. A., editor, *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*, pp. 1998–2004, Beijing, China, 2014.

[271] POOLE, D., ALLEN, C., and RENDALL, T., Analysis of constraint handling methods for the gravitational search algorithm, in Coello Coello, C. A., editor, *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*, pp. 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 Coello Coello, C. A., editor, *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*, pp. 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 Coello Coello, C. A., editor, *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*, pp. 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 Coello Coello, C. A., editor, *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*, pp. 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 Coello Coello, C. A., editor, *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*, pp. 2033–2039, Beijing, China, 2014.

[276] XU, J., XI, X., and WANG, S., Optimization based on adaptive hinging hyperplanes and genetic algorithm, in Coello Coello, C. A., editor, *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*, pp. 2040–2046, Beijing, China, 2014.

[277] ZHU, T., LUO, W., and YUE, L., Combining multipopulation evolutionary algorithms with memory for dynamic optimization problems, in Coello Coello, C. A., editor, *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*, pp. 2047–2054, Beijing, China, 2014.

[278] SALEHINEJAD, H., RAHNAMAYAN, S., and TIZHOOSH, H. R., Micro-differential evolution with vectorized random mutation factor, in Coello Coello, C. A., editor, *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*, pp. 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 Coello Coello, C. A., editor, *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*, pp. 2063–2069, Beijing, China, 2014.

[280] DU, X. and CHANG, X., Performance of AI algorithms for mining meaningful roles, in Coello Coello, C. A., editor, *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*, pp. 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 Coello Coello, C. A., editor, *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*, pp. 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 Coello Coello, C. A., editor, *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*, pp. 2085–2092, Beijing, China, 2014.

[283] ZHU, X., LUO, W., and ZHU, T., An improved genetic algorithm for dynamic shortest path problems, in Coello Coello, C. A., editor, *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*, pp. 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 Coello Coello, C. A., editor, *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*, pp. 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 Coello Coello, C. A., editor, *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*, pp. 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 Coello Coello, C. A., editor, *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*, pp. 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 Coello Coello, C. A., editor, *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*, pp. 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 Coello Coello, C. A., editor, *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*, pp. 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 Coello Coello, C. A., editor, *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*, pp. 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 Coello Coello, C. A., editor, *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*, pp. 2148–2155, Beijing, China, 2014.

[291] LI, H., ZHANG, Q., and DENG, J., Multiobjective test problems with complicated Pareto fronts: Difficulties in degeneracy, in Coello Coello, C. A., editor, *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*, pp. 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 Coello Coello, C. A., editor, *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*, pp. 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 Coello Coello, C. A., editor, *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*, pp. 2172–2179, Beijing, China, 2014.

[294] ALI, M., MORGHEM, A., ALBADARNEH, J., AL-GHARAIBEH, R., SUGANTHAN, P., et al., Cultural algorithms applied to the evolution of robotic soccer team tactics: A novel perspective, in Coello Coello, C. A., editor, *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*, pp. 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 Coello Coello, C. A., editor, *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*, pp. 2188–2195, Beijing, China, 2014.

[296] STANLEY, S., PALAZZOLO, T., and WARNKE, D., Analyzing prehistoric hunter behavior with cultural algorithms, in Coello Coello, C. A., editor, *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*, pp. 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 Coello Coello, C. A., editor, *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*, pp. 2206–2213, Beijing, China, 2014.

[298] CHE, X. and REYNOLDS, R., A social metrics based process model on complex social system, in Coello Coello, C. A., editor, *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*, pp. 2214–2221, Beijing, China, 2014.

[299] ZHANG, B., SHAFI, K., and ABBASS, H., Online knowledge-based evolutionary multi-objective optimization, in Coello Coello, C. A., editor, *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*, pp. 2222–2229, Beijing, China, 2014.

[300] POLAKOVA, R., TVRDIK, J., and BUJOK, P., Controlled restart in differential evolution applied to CEC2014 benchmark functions, in Coello Coello, C. A., editor, *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*, pp. 2230–2236, Beijing, China, 2014.

[301] DHEBAR, Y., DEB, K., and BANDARU, S., Non-uniform mapping in real-coded genetic algorithms, in Coello Coello, C. A., editor, *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*, pp. 2237–2244, Beijing, China, 2014.

[302] PHILIPPE, P., REMI, M., and MICHAL, V., Bandits attack function optimization, in Coello Coello, C. A., editor, *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*, pp. 2245–2252, Beijing, China, 2014.

[303] BUJOK, P., TVRDIK, J., and POLAKOVA, R., Differential evolution with rotation-invariant mutation and competing-strategies adaptation, in Coello Coello, C. A., editor, *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*, pp. 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 Coello Coello, C. A., editor, *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*, pp. 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 Coello Coello, C. A., editor, *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*, pp. 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 Coello Coello, C. A., editor, *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*, pp. 2274–2281, Beijing, China, 2014.

[307] DE VEGA, F. F., GARCIA-VALDEZ, M., NAVARRO, L., CRUZ, C., HERNANDEZ, P., et al., When artists met Evospace-i, in Coello Coello, C. A., editor, *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*, pp. 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 Coello Coello, C. A., editor, *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*, pp. 2290–2297, Beijing, China, 2014.

[309] WANG, S., GAIN, J., and NITSCHKE, G., Comparing crossover operators in neuro-evolution with crowd simulations, in Coello Coello, C. A., editor, *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*, pp. 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 Coello Coello, C. A., editor, *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*, pp. 2306–2313, Beijing, China, 2014.

[311] PEREZ, D., POWLEY, E., WHITEHOUSE, D., SAMOTHRAKIS, S., LUCAS, S., et al., The 2013 multi-objective physical travelling salesman problem competition, in Coello Coello, C. A., editor, *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*, pp. 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 Coello Coello, C. A., editor, *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*, pp. 2322–2329, Beijing, China, 2014.

[313] WANG, X., LIU, X., JAPKOWICZ, N., and MATWIN, S., Automatic target recognition using multiple-aspect sonar images, in Coello Coello, C. A., editor, *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*, pp. 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 Coello Coello, C. A., editor, *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*, pp. 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 Coello Coello, C. A., editor, *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*, pp. 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 Coello Coello, C. A., editor, *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*, pp. 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 Coello Coello, C. A., editor, *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*, pp. 2361–2366, Beijing, China, 2014.

[318] MAYO, M. and SUN, Q., Evolving artificial datasets to improve interpretable classifiers, in Coello Coello, C. A., editor, *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*, pp. 2367–2374, Beijing, China, 2014.

[319] VARELA, G., CAAMANO, P., ORJALES, F., DEIBE, A., LOPEZ-PENA, F., et al., Differential evolution in constrained sampling problems, in Coello Coello, C. A., editor, *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*, pp. 2375–2382, Beijing, China, 2014.

[320] PLAGIANAKOS, V., Unsupervised clustering and multi-optima evolutionary search, in Coello Coello, C. A., editor, *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*, pp. 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 Coello Coello, C. A., editor, *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*, pp. 2391–2396, Beijing, China, 2014.

[322] ST-PIERRE, D. L. and LIU, J., Differential evolution algorithm applied to non-stationary bandit problem, in Coello Coello, C. A., editor, *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*, pp. 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 Coello Coello, C. A., editor, *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*, pp. 2404–2411, Beijing, China, 2014.

[324] VANDEN BROUCKE, S., VANTHIENEN, J., and BAESENS, B., Declarative process discovery with evolutionary computing, in Coello Coello, C. A., editor, *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*, pp. 2412–2419, Beijing, China, 2014.

[325] BURATTIN, A., SPERDUTI, A., and VAN DER AALST, W. M. P., Control-flow discovery from event streams, in Coello Coello, C. A., editor, *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*, pp. 2420–2427, Beijing, China, 2014.

[326] LOW, W., WEERDT, J. D., WYNN, M., TER HOFSTEDE, A., VAN DER AALST, W., et al., Perturbing event logs to identify cost reduction opportunities: A genetic algorithm-based approach, in Coello Coello, C. A., editor, *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*, pp. 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 Coello Coello, C. A., editor, *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*, pp. 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 Coello Coello, C. A., editor, *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*, pp. 2444–2450, Beijing, China, 2014.

[329] AGAPITOS, A., O'NEILL, M., and BRABAZON, A., Ensemble Bayesian model averaging in genetic programming, in Coello Coello, C. A., editor, *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*, pp. 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 Coello Coello, C. A., editor, *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*, pp. 2459–2466, Beijing, China, 2014.

[331] WANG, B., XU, H., and YUAN, Y., Quantum-inspired evolutionary algorithm with linkage learning, in Coello Coello, C. A., editor, *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*, pp. 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 Coello Coello, C. A., editor, *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*, pp. 2475–2482, Beijing, China, 2014.

[333] LIAO, Q., ZHOU, A., and ZHANG, G., A locally weighted metamodel for pre-selection in evolutionary optimization, in Coello Coello, C. A., editor, *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*, pp. 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 Coello Coello, C. A., editor, *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*, pp. 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 Coello Coello, C. A., editor, *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*, pp. 2499–2506, Beijing, China, 2014.

[336] MALAN, K. and ENGELBRECHT, A., A progressive random walk algorithm for sampling continuous fitness landscapes, in Coello Coello, C. A., editor, *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*, pp. 2507–2514, Beijing, China, 2014.

[337] ALANAZI, F. and LEHRE, P. K., Runtime analysis of selection hyper-heuristics with classical learning mechanisms, in Coello Coello, C. A., editor, *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*, pp. 2515–2523, Beijing, China, 2014.

[338] CLEGHORN, C. and ENGELBRECHT, A., Particle swarm convergence: An empirical investigation, in Coello Coello, C. A., editor, *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*, pp. 2524–2530, Beijing, China, 2014.

[339] MA, J., ZHANG, J., WANG, W., and YAO, J., Phase transition particle swarm optimization, in Coello Coello, C. A., editor, *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*, pp. 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 Coello Coello, C. A., editor, *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*, pp. 2539–2546, Beijing, China, 2014.

[341] KLAZAR, R. and ENGELBRECHT, A., Parameter optimization by means of statistical quality guides in F-Race, in Coello Coello, C. A., editor, *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*, pp. 2547–2552, Beijing, China, 2014.

[342] ZHANG, L. and HE, R., A globally diversified island model PGA for multimodal optimization, in Coello Coello, C. A., editor, *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*, pp. 2553–2561, Beijing, China, 2014.

[343] PEREIRA, M., ROISENBERG, M., and NETO, G., A topological niching covariance matrix adaptation for multimodal optimization, in Coello Coello, C. A., editor, *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*, pp. 2562–2569, Beijing, China, 2014.

[344] VAFAEE, F., TURAN, G., NELSON, P., and BERGER-WOLF, T., Balancing the exploration and exploitation in an adaptive diversity guided genetic algorithm, in Coello Coello, C. A., editor, *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*, pp. 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 Coello Coello, C. A., editor, *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*, pp. 2578–2584, Beijing, China, 2014.

[346] KAZIMIPOUR, B., LI, X., and QIN, A., A review of population initialization techniques for evolutionary algorithms, in Coello Coello, C. A., editor, *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*, pp. 2585–2592, Beijing, China, 2014.

[347] FIELDSEND, J., Running up those hills: Multi-modal search with the niching migratory multi-swarm optimiser, in Coello Coello, C. A., editor, *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*, pp. 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 Coello Coello, C. A., editor, *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*, pp. 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 Coello Coello, C. A., editor, *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*, pp. 2609–2616, Beijing, China, 2014.

[350] WESOLKOWSKI, S., FRANCETIC, N., and GRANT, S., TraDE: Training device selection via multi-objective optimization, in Coello Coello, C. A., editor, *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*, pp. 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 Coello Coello, C. A., editor, *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*, pp. 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 Coello Coello, C. A., editor, *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*, pp. 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 Coello Coello, C. A., editor, *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*, pp. 2641–2648, Beijing, China, 2014.

[354] MAIA, R., DE CASTRO, L., and CAMINHAS, W., Real-parameter optimization with OptBees, in Coello Coello, C. A., editor, *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*, pp. 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 Coello Coello, C. A., editor, *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*, pp. 2656–2663, Beijing, China, 2014.

[356] DING, K. and TAN, Y., Comparison of random number generators in particle swarm opimization algorithm, in Coello Coello, C. A., editor, *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*, pp. 2664–2671, Beijing, China, 2014.

[357] CHEN, L., LIU, H.-L., ZHENG, Z., and XIE, S., A evolutionary algorithm based on covariance matrix leaning and searching preference for solving CEC 2014 benchmark problems, in Coello Coello, C. A., editor, *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*, pp. 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 Coello Coello, C. A., editor, *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*, pp. 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 Coello Coello, C. A., editor, *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*, pp. 2685–2691, Beijing, China, 2014.

[360] RICHTER, H., Codynamic fitness landscapes of coevolutionary minimal substrates, in Coello Coello, C. A., editor, *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*, pp. 2692–2699, Beijing, China, 2014.

[361] DICK, G. and YAO, X., Model representation and cooperative coevolution for finite-state machine evolution, in Coello Coello, C. A., editor, *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*, pp. 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 Coello Coello, C. A., editor, *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*, pp. 2708–2715, Beijing, China, 2014.

[363] KARIM, M. R. and MOUHOUB, M., Coevolutionary genetic algorithm for variable ordering in CSPs, in Coello Coello, C. A., editor, *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*, pp. 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 Coello Coello, C. A., editor, *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*, pp. 2724–2731, Beijing, China, 2014.

[365] BIDLO, M., Evolving multiplication as emergent behavior in cellular automata using conditionally matching rules, in Coello Coello, C. A., editor, *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*, pp. 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 Coello Coello, C. A., editor, *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*, pp. 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 Coello Coello, C. A., editor, *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*, pp. 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 Coello Coello, C. A., editor, *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*, pp. 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 Coello Coello, C. A., editor, *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*, pp. 2764–2769, Beijing, China, 2014.

[370] SONCCO-ALVAREZ, J. L. and AYALA-RINCON, M., Memetic algorithm for sorting unsigned permutations by reversals, in Coello Coello, C. A., editor, *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*, pp. 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 Coello Coello, C. A., editor, *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*, pp. 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 Coello Coello, C. A., editor, *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*, pp. 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 Coello Coello, C. A., editor, *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*, pp. 2793–2800, Beijing, China, 2014.

[374] MOSHAIOV, A. and TAL, A., Family bootstrapping: A genetic transfer learning approach for onsetting the evolution for a set of related robotic tasks, in Coello Coello, C. A., editor, *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*, pp. 2801–2808, Beijing, China, 2014.

[375] MOSHAIOV, A. and ABRAMOVICH, O., Is MO-CMA-ES superior to NSGA-II for the evolution of multi-objective neuro-controllers?, in Coello Coello, C. A., editor, *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*, pp. 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 Coello Coello, C. A., editor, *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*, pp. 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 Coello Coello, C. A., editor, *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*, pp. 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 Coello Coello, C. A., editor, *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*, pp. 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 Coello Coello, C. A., editor, *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*, pp. 2841–2848, Beijing, China, 2014.

[380] WATANABE, T., TATSUKAWA, T., JAIMES, A. L., AONO, H., NONOMURA, T., et al., Many-objective evolutionary computation for optimization of separated-flow control using a DBD plasma actuator, in Coello Coello, C. A., editor, *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*, pp. 2849–2854, Beijing, China, 2014.

[381] LIN, L., MITSUO, G., and YAN, L., A hybrid EA for high-dimensional subspace clustering problem, in Coello Coello, C. A., editor, *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*, pp. 2855–2860, Beijing, China, 2014.

[382] YU DU, M., JUAN LEI, X., and QIANG WU, Z., A simplified glowworm swarm optimization algorithm, in Coello Coello, C. A., editor, *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*, pp. 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 Coello Coello, C. A., editor, *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*, pp. 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 Coello Coello, C. A., editor, *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*, pp. 2877–2884, Beijing, China, 2014.

[385] WAGNER, M., Maximising axiomatization coverage and minimizing regression testing time, in Coello Coello, C. A., editor, *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*, pp. 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 Coello Coello, C. A., editor, *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*, pp. 2893–2900, Beijing, China, 2014.

[387] SEKANINA, L., PTAK, O., and VASICEK, Z., Cartesian genetic programming as local optimizer of logic networks, in Coello Coello, C. A., editor, *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*, pp. 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 Coello Coello, C. A., editor, *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*, pp. 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 Coello Coello, C. A., editor, *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*, pp. 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 Coello Coello, C. A., editor, *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*, pp. 2925–2932, Beijing, China, 2014.

[391] ZAN, D. and JAROS, J., Solving the multidimensional knapsack problem using a CUDA accelerated PSO, in Coello Coello, C. A., editor, *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*, pp. 2933–2939, Beijing, China, 2014.

[392] RUNKLER, T. and BEZDEK, J., Multidimensional scaling with multiswarming, in Coello Coello, C. A., editor, *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*, pp. 2940–2946, Beijing, China, 2014.

[393] METLICKA, M. and DAVENDRA, D., Chaos-driven discrete artificial bee colony, in Coello Coello, C. A., editor, *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*, pp. 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 Coello Coello, C. A., editor, *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*, pp. 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 Coello Coello, C. A., editor, *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*, pp. 2963–2968, Beijing, China, 2014.

[396] ADRIAENSEN, S., BRYS, T., and NOWE, A., Designing reusable metaheuristic methods: A semi-automated approach, in Coello Coello, C. A., editor, *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*, pp. 2969–2976, Beijing, China, 2014.

[397] ENAYA, Y. and DEB, K., Network path optimization under dynamic conditions, in Coello Coello, C. A., editor, *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*, pp. 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 Coello Coello, C. A., editor, *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*, pp. 2985–2991, Beijing, China, 2014.

[399] MASI, L. and VASILE, M., A multidirectional Physarum solver for the automated design of space trajectories, in Coello Coello, C. A., editor, *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*, pp. 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 Coello Coello, C. A., editor, *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*, pp. 3000–3007, Beijing, China, 2014.

[401] BURMAN, R., DAS, S., HAQUE, Z., VASILAKOS, A. V., and CHAKRABORTI, S., The monarchy driven optimization algorithm, in Coello Coello, C. A., editor, *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*, pp. 3008–3015, Beijing, China, 2014.

[402] JIN, N. and YAO, X., Heuristic optimization for software project management with impacts of team efficiency, in Coello Coello, C. A., editor, *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*, pp. 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 Coello Coello, C. A., editor, *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*, pp. 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 Coello Coello, C. A., editor, *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*, pp. 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 Coello Coello, C. A., editor, *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*, pp. 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 Coello Coello, C. A., editor, *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*, pp. 3044–3050, Beijing, China, 2014.

[407] REID, S., MALAN, K., and ENGELBRECHT, A., Carry trade portfolio optimization using particle swarm optimization, in Coello Coello, C. A., editor, *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*, pp. 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 Coello Coello, C. A., editor, *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*, pp. 3059–3066, Beijing, China, 2014.

[409] DONG, W. and ZENG, S., Linear sparse arrays designed by dynamic constrained multi-objective evolutionary algorithm, in Coello Coello, C. A., editor, *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*, pp. 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 Coello Coello, C. A., editor, *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*, pp. 3073–3079, Beijing, China, 2014.

[411] SINGH, P., COUCKUYT, I., FERRANTI, F., and DHAENE, T., A constrained multi-objective surrogate-based optimization algorithm, in Coello Coello, C. A., editor, *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*, pp. 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 Coello Coello, C. A., editor, *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*, pp. 3088–3095, Beijing, China, 2014.

[413] KI-BAEK, L. and JONG-HWAN, K., DMOPSO: Dual multi-objective particle swarm optimization, in Coello Coello, C. A., editor, *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*, pp. 3096–3102, Beijing, China, 2014.

[414] CHENG, R. and JIN, Y., Demonstrator selection in a social learning particle swarm optimizer, in Coello Coello, C. A., editor, *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*, pp. 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 Coello Coello, C. A., editor, *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*, pp. 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 Coello Coello, C. A., editor, *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*, pp. 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 Coello Coello, C. A., editor, *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*, pp. 3127–3134, Beijing, China, 2014.

[418] HARDHIENATA, M., UGRINOVSKII, V., and MERRICK, K., Task allocation under communication constraints using motivated particle swarm optimization, in Coello Coello, C. A., editor, *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*, pp. 3135–3142, Beijing, China, 2014.

[419] MCNABB, A. and SEPPI, K., Serial PSO results are irrelevant in a multi-core parallel world, in Coello Coello, C. A., editor, *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*, pp. 3143–3150, Beijing, China, 2014.

[420] HELBIG, M. and ENGELBRECHT, A., Heterogeneous dynamic vector evaluated particle swarm optimisation for dynamic multi-objective optimisation, in Coello Coello, C. A., editor, *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*, pp. 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 Coello Coello, C. A., editor, *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*, pp. 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 Coello Coello, C. A., editor, *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*, pp. 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 Coello Coello, C. A., editor, *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*, pp. 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 Coello Coello, C. A., editor, *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*, pp. 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 Coello Coello, C. A., editor, *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*, pp. 3192–3199, Beijing, China, 2014.

[426] ZHANG, B., ZHANG, M.-X., and ZHENG, Y.-J., A hybrid biogeography-based optimization and fireworks algorithm, in Coello Coello, C. A., editor, *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*, pp. 3200–3206, Beijing, China, 2014.

[427] LIU, J., ZHENG, S., and TAN, Y., Analysis on global convergence and time complexity of fireworks algorithm, in Coello Coello, C. A., editor, *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*, pp. 3207–3213, Beijing, China, 2014.

[428] LI, J., ZHENG, S., and TAN, Y., Adaptive fireworks algorithm, in Coello Coello, C. A., editor, *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*, pp. 3214–3221, Beijing, China, 2014.

[429] ZHENG, S., JANECEK, A., LI, J., and TAN, Y., Dynamic search in fireworks algorithm, in Coello Coello, C. A., editor, *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*, pp. 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 Coello Coello, C. A., editor, *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*, pp. 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 Coello Coello, C. A., editor, *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*, pp. 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 Coello Coello, C. A., editor, *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*, pp. 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 Coello Coello, C. A., editor, *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*, pp. 3252–3257, Beijing, China, 2014.

[434] MENEZES, M., GOLDBARG, M., and GOLDBARG, E., A memetic algorithm for the prize collecting traveling car renter problem, in Coello Coello, C. A., editor, *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*, pp. 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 Coello Coello, C. A., editor, *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*, pp. 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 Coello Coello, C. A., editor, *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*, pp. 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 Coello Coello, C. A., editor, *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*, pp. 3280–3286, Beijing, China, 2014.