

## Список литературы

- [Aalto & Lampinen(2014)] Aalto, J. & Lampinen, J. (2014) A mutation and crossover adaptation mechanism for differential evolution algorithm. *Proceedings of the 2014 IEEE Congress on Evolutionary Computation* (ed. C.A. Coello Coello), pp. 451–458, Beijing, China.
- [Abdul et al.(2014)Abdul, Xiaoying & Peter] Abdul, W., Xiaoying, G. & Peter, A. (2014) Multi-view clustering of web documents using multi-objective genetic algorithm. *Proceedings of the 2014 IEEE Congress on Evolutionary Computation* (ed. C.A. Coello Coello), pp. 2625–2632, Beijing, China.
- [Acampora et al.(2014)Acampora, Ishibuchi & Vitiello] Acampora, G., Ishibuchi, H. & Vitiello, A. (2014) A comparison of multi-objective evolutionary algorithms for the ontology meta-matching problem. *Proceedings of the 2014 IEEE Congress on Evolutionary Computation* (ed. C.A. Coello Coello), pp. 413–420, Beijing, China.
- [Adriaensen et al.(2014)Adriaensen, Brys & Nowe] Adriaensen, S., Brys, T. & Nowe, A. (2014) Designing reusable metaheuristic methods: A semi-automated approach. *Proceedings of the 2014 IEEE Congress on Evolutionary Computation* (ed. C.A. Coello Coello), pp. 2969–2976, Beijing, China.
- [Agapitos et al.(2014)Agapitos, O'Neill & Brabazon] Agapitos, A., O'Neill, M. & Brabazon, A. (2014) Ensemble Bayesian model averaging in genetic programming. *Proceedings of the 2014 IEEE Congress on Evolutionary Computation* (ed. C.A. Coello Coello), pp. 2451–2458, Beijing, China.
- [Ahmed et al.(2014)Ahmed, Zhang & Peng] Ahmed, S., Zhang, M. & Peng, L. (2014) A new GP-based wrapper feature construction approach to classification and biomarker identification. *Proceedings of the 2014 IEEE Congress on Evolutionary Computation* (ed. C.A. Coello Coello), pp. 2756–2763, Beijing, China.
- [Akhmedova & Semenkin(2014)] Akhmedova, S. & Semenkin, E. (2014) Co-operation of biology related algorithms meta-heuristic in ANN-based classifiers design. *Proceedings of the 2014 IEEE Congress on Evolutionary Computation* (ed. C.A. Coello Coello), pp. 867–872, Beijing, China.
- [Alam et al.(2014a)Alam, Ray & Anavatti] Alam, K., Ray, T. & Anavatti, S.G. (2014a) Practical application of an evolutionary algorithm for the design and construction of a six-inch submarine. *Proceedings of the 2014 IEEE Congress on Evolutionary Computation* (ed. C.A. Coello Coello), pp. 2825–2832, Beijing, China.
- [Alam et al.(2014b)Alam, Dobbie, Koh & Riddle] Alam, S., Dobbie, G., Koh, Y.S. & Riddle, P. (2014b) Web bots detection using particle swarm optimization based clustering. *Proceedings of the 2014 IEEE Congress on Evolutionary Computation* (ed. C.A. Coello Coello), pp. 2955–2962, Beijing, China.
- [Alanazi & Lehre(2014)] Alanazi, F. & Lehre, P.K. (2014) Runtime analysis of selection hyper-heuristics with classical learning mechanisms. *Proceedings of the 2014 IEEE Congress on Evolutionary Computation* (ed. C.A. Coello Coello), pp. 2515–2523, Beijing, China.
- [Albukhanajer et al.(2014)Albukhanajer, Jin & Briffa] Albukhanajer, W.A., Jin, Y. & Briffa, J.A. (2014) Neural network ensembles for image identification using Pareto-optimal features. *Proceedings of the 2014 IEEE Congress on Evolutionary Computation* (ed. C.A. Coello Coello), pp. 89–96, Beijing, China.
- [Alhindi & Zhang(2014)] Alhindi, A. & Zhang, Q. (2014) MOEA/D with tabu search for multiobjective permutation flow shop scheduling problems. *Proceedings of the 2014 IEEE Congress on Evolutionary Computation* (ed. C.A. Coello Coello), pp. 1155–1164, Beijing, China.
- [Ali et al.(2014)Ali, Morghem, AlBadarneh, Al-Gharaibeh, Suganthan & Reynolds] Ali, M., Morghem, A., AlBadarneh, J., Al-Gharaibeh, R., Suganthan, P. & Reynolds, R. (2014) Cultural algorithms applied to the evolution of robotic soccer team tactics: A novel perspective. *Proceedings of the 2014 IEEE Congress on Evolutionary Computation* (ed. C.A. Coello Coello), pp. 2180–2187, Beijing, China.

- [Alicino & Vasile(2014)] Alicino, S. & Vasile, M. (2014) An evolutionary approach to the solution of multi-objective min-max problems in evidence-based robust optimization. *Proceedings of the 2014 IEEE Congress on Evolutionary Computation* (ed. C.A. Coello Coello), pp. 1179–1186, Beijing, China.
- [Alvares *et al.*(2014)Alvares, Buarque & Marwala] Alvares, M., Buarque, F. & Marwala, T. (2014) Application of computational intelligence for source code classification. *Proceedings of the 2014 IEEE Congress on Evolutionary Computation* (ed. C.A. Coello Coello), pp. 895–902, Beijing, China.
- [Ameca-Alducin *et al.*(2014)Ameca-Alducin, Mezura-Montes & Cruz-Ramirez] Ameca-Alducin, M.Y., Mezura-Montes, E. & Cruz-Ramirez, N. (2014) Differential evolution with combined variants for dynamic constrained optimization. *Proceedings of the 2014 IEEE Congress on Evolutionary Computation* (ed. C.A. Coello Coello), pp. 975–982, Beijing, China.
- [Ameerudden & Rughooputh(2014)] Ameerudden, M.R. & Rughooputh, H. (2014) Smart hybrid genetic algorithms in the bandwidth optimization of a PIFA antenna. *Proceedings of the 2014 IEEE Congress on Evolutionary Computation* (ed. C.A. Coello Coello), pp. 1390–1396, Beijing, China.
- [Amin *et al.*(2014)Amin, Tang, Ellejmi, Kirby & Abbass] Amin, R., Tang, J., Ellejmi, M., Kirby, S. & Abbass, H.A. (2014) Trading-off simulation fidelity and optimization accuracy in air-traffic experiments using differential evolution. *Proceedings of the 2014 IEEE Congress on Evolutionary Computation* (ed. C.A. Coello Coello), pp. 475–482, Beijing, China.
- [Angelo *et al.*(2014)Angelo, Krempser & Barbosa] Angelo, J., Krempser, E. & Barbosa, H. (2014) Differential evolution assisted by a surrogate model for bilevel programming problems. *Proceedings of the 2014 IEEE Congress on Evolutionary Computation* (ed. C.A. Coello Coello), pp. 1784–1791, Beijing, China.
- [Arana-Daniel *et al.*(2014)Arana-Daniel, Gallegos, Lopez-Franco & Alanis] Arana-Daniel, N., Gallegos, A.A., Lopez-Franco, C. & Alanis, A.Y. (2014) Smooth global and local path planning for mobile robot using particle swarm optimization, radial basis functions, splines and Bezier curves. *Proceedings of the 2014 IEEE Congress on Evolutionary Computation* (ed. C.A. Coello Coello), pp. 175–182, Beijing, China.
- [Ashlock & Hingston(2014)] Ashlock, D. & Hingston, P. (2014) \*Tego - a framework for adversarial planning. *Proceedings of the 2014 IEEE Congress on Evolutionary Computation* (ed. C.A. Coello Coello), pp. 13–20, Beijing, China.
- [Azzouz *et al.*(2014)Azzouz, Bechikh & Said] Azzouz, R., Bechikh, S. & Said, L.B. (2014) A multiple reference point-based evolutionary algorithm for dynamic multi-objective optimization with undetectable changes. *Proceedings of the 2014 IEEE Congress on Evolutionary Computation* (ed. C.A. Coello Coello), pp. 3168–3175, Beijing, China.
- [Bandaru *et al.*(2014)Bandaru, Ng & Deb] Bandaru, S., Ng, A. & Deb, K. (2014) On the performance of classification algorithms for learning Pareto-dominance relations. *Proceedings of the 2014 IEEE Congress on Evolutionary Computation* (ed. C.A. Coello Coello), pp. 1139–1146, Beijing, China.
- [Bello-Orgaz & Camacho(2014)] Bello-Orgaz, G. & Camacho, D. (2014) Evolutionary clustering algorithm for community detection using graph-based information. *Proceedings of the 2014 IEEE Congress on Evolutionary Computation* (ed. C.A. Coello Coello), pp. 930–937, Beijing, China.
- [Bennett *et al.*(2014)Bennett, Nguyen & Zhang] Bennett, S., Nguyen, S. & Zhang, M. (2014) A hybrid discrete particle swarm optimisation method for grid computation scheduling. *Proceedings of the 2014 IEEE Congress on Evolutionary Computation* (ed. C.A. Coello Coello), pp. 483–490, Beijing, China.
- [Bidlo(2014)] Bidlo, M. (2014) Evolving multiplication as emergent behavior in cellular automata using conditionally matching rules. *Proceedings of the 2014 IEEE Congress on Evolutionary Computation* (ed. C.A. Coello Coello), pp. 2732–2739, Beijing, China.

- [Biswas *et al.*(2014a)] Biswas, Das, Suganthan & Coello] Biswas, S., Das, S., Suganthan, P.N. & Coello, C.A.C. (2014a) Evolutionary multiobjective optimization in dynamic environments: A set of novel benchmark functions. *Proceedings of the 2014 IEEE Congress on Evolutionary Computation* (ed. C.A. Coello Coello), pp. 3192–3199, Beijing, China.
- [Biswas *et al.*(2014b)] Biswas, Eita, Das & Vasilakos] Biswas, S., Eita, M.A., Das, S. & Vasilakos, A.V. (2014b) Evaluating the performance of group counseling optimizer on CEC 2014 problems for computational expensive optimization. *Proceedings of the 2014 IEEE Congress on Evolutionary Computation* (ed. C.A. Coello Coello), pp. 1076–1083, Beijing, China.
- [Bolufe-Rohler & Chen(2014)] Bolufe-Rohler, A. & Chen, S. (2014) Extending minimum population search towards large scale global optimization. *Proceedings of the 2014 IEEE Congress on Evolutionary Computation* (ed. C.A. Coello Coello), pp. 845–852, Beijing, China.
- [Bouaziz *et al.*(2014)] Bouaziz, Alimi & Abraham] Bouaziz, S., Alimi, A.M. & Abraham, A. (2014) PSO-based update memory for improved harmony search algorithm to the evolution of FBBFNT' parameters. *Proceedings of the 2014 IEEE Congress on Evolutionary Computation* (ed. C.A. Coello Coello), pp. 1951–1958, Beijing, China.
- [Bourennani *et al.*(2014)] Bourennani, Rahnamayan & Naterer] Bourennani, F., Rahnamayan, S. & Naterer, G.F. (2014) Multi-objective differential evolution with leadership enhancement (MODEL). *Proceedings of the 2014 IEEE Congress on Evolutionary Computation* (ed. C.A. Coello Coello), pp. 1131–1138, Beijing, China.
- [Brands *et al.*(2014)] Brands, Wismans & van Berkum] Brands, T., Wismans, L. & van Berkum, E. (2014) Multi-objective transportation network design: Accelerating search by applying e-NSGAI. *Proceedings of the 2014 IEEE Congress on Evolutionary Computation* (ed. C.A. Coello Coello), pp. 405–412, Beijing, China.
- [Brent *et al.*(2014)] Brent, Thiruvady, Gomez-Iglesias & Garcia-Flores] Brent, O., Thiruvady, D., Gomez-Iglesias, A. & Garcia-Flores, R. (2014) A parallel Lagrangian-ACO heuristic for project scheduling. *Proceedings of the 2014 IEEE Congress on Evolutionary Computation* (ed. C.A. Coello Coello), pp. 2985–2991, Beijing, China.
- [Bu *et al.*(2014)] Bu, Luo & Zhu] Bu, C., Luo, W. & Zhu, T. (2014) Differential evolution with a species-based repair strategy for constrained optimization. *Proceedings of the 2014 IEEE Congress on Evolutionary Computation* (ed. C.A. Coello Coello), pp. 967–974, Beijing, China.
- [Buck *et al.*(2014)] Buck, Banerjee & Keller] Buck, A., Banerjee, T. & Keller, J. (2014) Evolving a fuzzy goal-driven strategy for the game of Geister. *Proceedings of the 2014 IEEE Congress on Evolutionary Computation* (ed. C.A. Coello Coello), pp. 28–35, Beijing, China.
- [Bujok *et al.*(2014)] Bujok, Tvrdik & Polakova] Bujok, P., Tvrdik, J. & Polakova, R. (2014) Differential evolution with rotation-invariant mutation and competing-strategies adaptation. *Proceedings of the 2014 IEEE Congress on Evolutionary Computation* (ed. C.A. Coello Coello), pp. 2253–2258, Beijing, China.
- [Bulut & Tasgetiren(2014)] Bulut, O. & Tasgetiren, M.F. (2014) A discrete artificial bee colony algorithm for the economic lot scheduling problem with returns. *Proceedings of the 2014 IEEE Congress on Evolutionary Computation* (ed. C.A. Coello Coello), pp. 551–557, Beijing, China.
- [Burattin *et al.*(2014)] Burattin, Sperduti & van der Aalst] Burattin, A., Sperduti, A. & van der Aalst, W.M.P. (2014) Control-flow discovery from event streams. *Proceedings of the 2014 IEEE Congress on Evolutionary Computation* (ed. C.A. Coello Coello), pp. 2420–2427, Beijing, China.
- [Burman *et al.*(2014)] Burman, Das, Haque, Vasilakos & Chakraborti] Burman, R., Das, S., Haque, Z., Vasilakos, A.V. & Chakraborti, S. (2014) The monarchy driven optimization algorithm. *Proceedings of the 2014 IEEE Congress on Evolutionary Computation* (ed. C.A. Coello Coello), pp. 3008–3015, Beijing, China.

- [Byrne *et al.*(2014)Byrne, Nicolau, Brabazon & O'Neill] Byrne, J., Nicolau, M., Brabazon, A. & O'Neill, M. (2014) An examination of synchronisation in artificial gene regulatory networks. *Proceedings of the 2014 IEEE Congress on Evolutionary Computation* (ed. C.A. Coello Coello), pp. 2764–2769, Beijing, China.
- [Cai & Du(2014)] Cai, Y. & Du, J. (2014) Enhanced differential evolution with adaptive direction information. *Proceedings of the 2014 IEEE Congress on Evolutionary Computation* (ed. C.A. Coello Coello), pp. 305–312, Beijing, China.
- [Cai *et al.*(2014)Cai, Wen & Liu] Cai, Z., Wen, S. & Liu, L. (2014) Distributed wireless sensor scheduling for multi-target tracking based on matrix-coded parallel genetic algorithm. *Proceedings of the 2014 IEEE Congress on Evolutionary Computation* (ed. C.A. Coello Coello), pp. 2013–2018, Beijing, China.
- [Campbell *et al.*(2014)Campbell, Ciesielski & Trist] Campbell, A., Ciesielski, V. & Trist, K. (2014) A self organising map based method for understanding features associated with high aesthetic value evolved abstract images. *Proceedings of the 2014 IEEE Congress on Evolutionary Computation* (ed. C.A. Coello Coello), pp. 2274–2281, Beijing, China.
- [Campos & Krohling(2014)] Campos, M. & Krohling, R. (2014) Bare bones particle swarm with scale mixtures of Gaussians for dynamic constrained optimization. *Proceedings of the 2014 IEEE Congress on Evolutionary Computation* (ed. C.A. Coello Coello), pp. 202–209, Beijing, China.
- [Carvalho & Fernandes(2014)] Carvalho, L. & Fernandes, M. (2014) Multi-objective flexible job-shop scheduling problem with DIPSO: More diversity, greater efficiency. *Proceedings of the 2014 IEEE Congress on Evolutionary Computation* (ed. C.A. Coello Coello), pp. 282–289, Beijing, China.
- [Ceberio *et al.*(2014)Ceberio, Irurozki, Mendiburu & Lozano] Ceberio, J., Irurozki, E., Mendiburu, A. & Lozano, J.A. (2014) Extending distance-based ranking models in estimation of distribution algorithms. *Proceedings of the 2014 IEEE Congress on Evolutionary Computation* (ed. C.A. Coello Coello), pp. 2459–2466, Beijing, China.
- [Chaman-Garcia *et al.*(2014)Chaman-Garcia, Coello & Arias-Montano] Chaman-Garcia, I., Coello, C.C. & Arias-Montano, A. (2014) MOPSOhv: A new hypervolume-based multi-objective particle swarm optimizer. *Proceedings of the 2014 IEEE Congress on Evolutionary Computation* (ed. C.A. Coello Coello), pp. 266–273, Beijing, China.
- [Chan *et al.*(2014)Chan, Rajakaruna, Rathnayake & Murray] Chan, K.Y., Rajakaruna, N., Rathnayake, C. & Murray, I. (2014) Image deblurring using a hybrid optimization algorithm. *Proceedings of the 2014 IEEE Congress on Evolutionary Computation* (ed. C.A. Coello Coello), pp. 1243–1249, Beijing, China.
- [Chang & He(2014)] Chang, P.C. & He, X. (2014) Macroscopic indeterminacy swarm optimization (MISO) algorithm for real-parameter search. *Proceedings of the 2014 IEEE Congress on Evolutionary Computation* (ed. C.A. Coello Coello), pp. 1571–1578, Beijing, China.
- [Chatbri *et al.*(2014)Chatbri, Kwan & Kameyama] Chatbri, H., Kwan, P. & Kameyama, K. (2014) A modular approach for query spotting in document images and its optimization using genetic algorithms. *Proceedings of the 2014 IEEE Congress on Evolutionary Computation* (ed. C.A. Coello Coello), pp. 2085–2092, Beijing, China.
- [Che & Reynolds(2014)] Che, X. & Reynolds, R. (2014) A social metrics based process model on complex social system. *Proceedings of the 2014 IEEE Congress on Evolutionary Computation* (ed. C.A. Coello Coello), pp. 2214–2221, Beijing, China.
- [Chen *et al.*(2014a)Chen, Luo & Zhu] Chen, G., Luo, W. & Zhu, T. (2014a) Evolutionary clustering with differential evolution. *Proceedings of the 2014 IEEE Congress on Evolutionary Computation* (ed. C.A. Coello Coello), pp. 1382–1389, Beijing, China.

- [Chen *et al.*(2014b)Chen, Liu, Zheng & Xie] Chen, L., Liu, H.L., Zheng, Z. & Xie, S. (2014b) A evolutionary algorithm based on covariance matrix leaning and searching preference for solving CEC 2014 benchmark problems. *Proceedings of the 2014 IEEE Congress on Evolutionary Computation* (ed. C.A. Coello Coello), pp. 2672–2677, Beijing, China.
- [Chen *et al.*(2014c)Chen, Zeng, Zeng, Li & Luo] Chen, M.R., Zeng, W., Zeng, G.Q., Li, X. & Luo, J.P. (2014c) A novel artificial bee colony algorithm with integration of extremal optimization for numerical optimization problems. *Proceedings of the 2014 IEEE Congress on Evolutionary Computation* (ed. C.A. Coello Coello), pp. 242–249, Beijing, China.
- [Chen & Chiang(2014)] Chen, S.W. & Chiang, T.C. (2014) Evolutionary many-objective optimization by MO-NSGA-II with enhanced mating selection. *Proceedings of the 2014 IEEE Congress on Evolutionary Computation* (ed. C.A. Coello Coello), pp. 1397–1404, Beijing, China.
- [Chen *et al.*(2014d)Chen, Shang & Xu] Chen, Y., Shang, Y. & Xu, D. (2014d) Multi-dimensional scaling and MODELLER-based evolutionary algorithms for protein model refinement. *Proceedings of the 2014 IEEE Congress on Evolutionary Computation* (ed. C.A. Coello Coello), pp. 1038–1045, Beijing, China.
- [Cheng *et al.*(2014a)Cheng, Pan & Lin] Cheng, P., Pan, J.S. & Lin, C.W. (2014a) Use EMO to protect sensitive knowledge in association rule mining by removing items. *Proceedings of the 2014 IEEE Congress on Evolutionary Computation* (ed. C.A. Coello Coello), pp. 1108–1115, Beijing, China.
- [Cheng & Jin(2014)] Cheng, R. & Jin, Y. (2014) Demonstrator selection in a social learning particle swarm optimizer. *Proceedings of the 2014 IEEE Congress on Evolutionary Computation* (ed. C.A. Coello Coello), pp. 3103–3110, Beijing, China.
- [Cheng *et al.*(2014b)Cheng, Shi, Qin, Ting & Bai] Cheng, S., Shi, Y., Qin, Q., Ting, T.O. & Bai, R. (2014b) Maintaining population diversity in brain storm optimization algorithm. *Proceedings of the 2014 IEEE Congress on Evolutionary Computation* (ed. C.A. Coello Coello), pp. 3230–3237, Beijing, China.
- [Chotard *et al.*(2014)Chotard, Auger & Hansen] Chotard, A., Auger, A. & Hansen, N. (2014) Markov chain analysis of evolution strategies on a linear constraint optimization problem. *Proceedings of the 2014 IEEE Congress on Evolutionary Computation* (ed. C.A. Coello Coello), pp. 159–166, Beijing, China.
- [Chou *et al.*(2014)Chou, Chia-Ling & Chang] Chou, C.H., Chia-Ling, H. & Chang, P.C. (2014) A RFID network design methodology for decision problem in health care. *Proceedings of the 2014 IEEE Congress on Evolutionary Computation* (ed. C.A. Coello Coello), pp. 1586–1592, Beijing, China.
- [Chow & Yuen(2014)] Chow, C.K. & Yuen, S.Y. (2014) A dynamic history-driven evolutionary algorithm. *Proceedings of the 2014 IEEE Congress on Evolutionary Computation* (ed. C.A. Coello Coello), pp. 1558–1564, Beijing, China.
- [Chowdhury *et al.*(2014)Chowdhury, Rakshit, Konar & Nagar] Chowdhury, A., Rakshit, P., Konar, A. & Nagar, A. (2014) A modified bat algorithm to predict protein-protein interaction network. *Proceedings of the 2014 IEEE Congress on Evolutionary Computation* (ed. C.A. Coello Coello), pp. 1046–1053, Beijing, China.
- [Cleghorn & Engelbrecht(2014)] Cleghorn, C. & Engelbrecht, A. (2014) Particle swarm convergence: An empirical investigation. *Proceedings of the 2014 IEEE Congress on Evolutionary Computation* (ed. C.A. Coello Coello), pp. 2524–2530, Beijing, China.
- [Cooper *et al.*(2014)Cooper, John, Lewis, Olden & Mumford] Cooper, I., John, M., Lewis, R., Olden, A. & Mumford, C. (2014) Optimising large scale public transport network design problems using mixed-mode parallel multi-objective evolutionary algorithms. *Proceedings of the 2014 IEEE Congress on Evolutionary Computation* (ed. C.A. Coello Coello), pp. 2841–2848, Beijing, China.

- [Cota *et al.*(2014)Cota, Haddad, Souza & Coelho] Cota, L.P., Haddad, M.N., Souza, M.J.F. & Coelho, V.N. (2014) AIRP: A heuristic algorithm for solving the unrelated parallel machine scheduling problem. *Proceedings of the 2014 IEEE Congress on Evolutionary Computation* (ed. C.A. Coello Coello), pp. 1855–1862, Beijing, China.
- [Cui *et al.*(2014)Cui, Cheng & Bai] Cui, T., Cheng, S. & Bai, R. (2014) A combinatorial algorithm for the cardinality constrained portfolio optimization problem. *Proceedings of the 2014 IEEE Congress on Evolutionary Computation* (ed. C.A. Coello Coello), pp. 491–498, Beijing, China.
- [da Silva *et al.*(2014)da Silva, Ma & Zhang] da Silva, A.S., Ma, H. & Zhang, M. (2014) A graph-based particle swarm optimisation approach to QoS-aware web service composition and selection. *Proceedings of the 2014 IEEE Congress on Evolutionary Computation* (ed. C.A. Coello Coello), pp. 3127–3134, Beijing, China.
- [Datta *et al.*(2014)Datta, Rakshit, Konar & Nagar] Datta, S., Rakshit, P., Konar, A. & Nagar, A.K. (2014) Selecting the optimal EEG electrode positions for a cognitive task using an artificial bee colony with adaptive scale factor optimization algorithm. *Proceedings of the 2014 IEEE Congress on Evolutionary Computation* (ed. C.A. Coello Coello), pp. 2748–2755, Beijing, China.
- [Davendra *et al.*(2014)Davendra, Senkerik, Zelinka & Pluhacek] Davendra, D., Senkerik, R., Zelinka, I. & Pluhacek, M. (2014) Scatter search algorithm with chaos based stochasticity. *Proceedings of the 2014 IEEE Congress on Evolutionary Computation* (ed. C.A. Coello Coello), pp. 860–866, Beijing, China.
- [Davila(2014)] Davila, J. (2014) Genotype coding, diversity, and dynamic environments: A study on an evolutionary neural network multi-agent system. *Proceedings of the 2014 IEEE Congress on Evolutionary Computation* (ed. C.A. Coello Coello), pp. 2306–2313, Beijing, China.
- [Dawson & Stewart(2014)] Dawson, L. & Stewart, I. (2014) Accelerating ant colony optimization-based edge detection on the GPU using CUDA. *Proceedings of the 2014 IEEE Congress on Evolutionary Computation* (ed. C.A. Coello Coello), pp. 1736–1743, Beijing, China.
- [de Vega *et al.*(2014)de Vega, Garcia-Valdez, Navarro, Cruz, Hernandez, Gallego & Albarran] de Vega, F.F., Garcia-Valdez, M., Navarro, L., Cruz, C., Hernandez, P., Gallego, T. & Albarran, J.V. (2014) When artists met Evospace-i. *Proceedings of the 2014 IEEE Congress on Evolutionary Computation* (ed. C.A. Coello Coello), pp. 2282–2289, Beijing, China.
- [Debie *et al.*(2014)Debie, Shafi, Merrick & Lokan] Debie, E., Shafi, K., Merrick, K. & Lokan, C. (2014) An online evolutionary rule learning algorithm with incremental attribute discretization. *Proceedings of the 2014 IEEE Congress on Evolutionary Computation* (ed. C.A. Coello Coello), pp. 1116–1123, Beijing, China.
- [Dhebar *et al.*(2014)Dhebar, Deb & Bandaru] Dhebar, Y., Deb, K. & Bandaru, S. (2014) Non-uniform mapping in real-coded genetic algorithms. *Proceedings of the 2014 IEEE Congress on Evolutionary Computation* (ed. C.A. Coello Coello), pp. 2237–2244, Beijing, China.
- [Dick & Yao(2014)] Dick, G. & Yao, X. (2014) Model representation and cooperative coevolution for finite-state machine evolution. *Proceedings of the 2014 IEEE Congress on Evolutionary Computation* (ed. C.A. Coello Coello), pp. 2700–2707, Beijing, China.
- [Ding *et al.*(2014a)Ding, Chen, Xie, Chai & Zheng] Ding, J., Chen, L., Xie, Q., Chai, T. & Zheng, X. (2014a) Effect of pseudo gradient on differential evolutionary for global numerical optimization. *Proceedings of the 2014 IEEE Congress on Evolutionary Computation* (ed. C.A. Coello Coello), pp. 2019–2026, Beijing, China.
- [Ding *et al.*(2014b)Ding, Song, Zhang & Wu] Ding, J., Song, S., Zhang, R. & Wu, C. (2014b) Minimizing makespan for a no-wait flowshop using tabu mechanism improved iterated greedy algorithm. *Proceedings of the 2014 IEEE Congress on Evolutionary Computation* (ed. C.A. Coello Coello), pp. 1906–1911, Beijing, China.

- [Ding & Tan(2014)] Ding, K. & Tan, Y. (2014) Comparison of random number generators in particle swarm optimization algorithm. *Proceedings of the 2014 IEEE Congress on Evolutionary Computation* (ed. C.A. Coello Coello), pp. 2664–2671, Beijing, China.
- [Dong *et al.*(2014)] Dong, W., Tian, J., Tang, X., Sheng, K. & Liu, J. (2014) Autonomous learning adaptation for particle swarm optimization. *Proceedings of the 2014 IEEE Congress on Evolutionary Computation* (ed. C.A. Coello Coello), pp. 223–228, Beijing, China.
- [Dong & Zeng(2014)] Dong, W. & Zeng, S. (2014) Linear sparse arrays designed by dynamic constrained multi-objective evolutionary algorithm. *Proceedings of the 2014 IEEE Congress on Evolutionary Computation* (ed. C.A. Coello Coello), pp. 3067–3072, Beijing, China.
- [Donne *et al.*(2014)] Donne, S., Nicolau, M., Bean, C. & O’Neill, M. (2014) Wave height quantification using land based seismic data with grammatical evolution. *Proceedings of the 2014 IEEE Congress on Evolutionary Computation* (ed. C.A. Coello Coello), pp. 2909–2916, Beijing, China.
- [Dornberger *et al.*(2014)] Dornberger, R., Hanne, T., Ryter, R. & Michael, S. (2014) Optimization of the picking sequence of an automated storage and retrieval system (AS/RS). *Proceedings of the 2014 IEEE Congress on Evolutionary Computation* (ed. C.A. Coello Coello), pp. 2817–2824, Beijing, China.
- [Du & Chang(2014)] Du, X. & Chang, X. (2014) Performance of AI algorithms for mining meaningful roles. *Proceedings of the 2014 IEEE Congress on Evolutionary Computation* (ed. C.A. Coello Coello), pp. 2070–2076, Beijing, China.
- [Duan *et al.*(2014)] Duan, P., Xiong, S., Hu, Z., Chen, Q. & Zhong, X. (2014) Multi-objective optimization model based on steady degree for teaching building evacuation. *Proceedings of the 2014 IEEE Congress on Evolutionary Computation* (ed. C.A. Coello Coello), pp. 924–929, Beijing, China.
- [Elsayed *et al.*(2014a)] Elsayed, S., Ray, T. & Sarker, R. (2014a) A surrogate-assisted differential evolution algorithm with dynamic parameters selection for solving expensive optimization problems. *Proceedings of the 2014 IEEE Congress on Evolutionary Computation* (ed. C.A. Coello Coello), pp. 1062–1068, Beijing, China.
- [Elsayed *et al.*(2014b)] Elsayed, S., Sarker, R. & Essam, D. (2014b) United multi-operator evolutionary algorithms. *Proceedings of the 2014 IEEE Congress on Evolutionary Computation* (ed. C.A. Coello Coello), pp. 1006–1013, Beijing, China.
- [Elsayed *et al.*(2014c)] Elsayed, S., Sarker, R., Essam, D. & Hamza, N. (2014c) Testing united multi-operator evolutionary algorithms on the CEC2014 real-parameter numerical optimization. *Proceedings of the 2014 IEEE Congress on Evolutionary Computation* (ed. C.A. Coello Coello), pp. 1650–1657, Beijing, China.
- [Enaya & Deb(2014)] Enaya, Y. & Deb, K. (2014) Network path optimization under dynamic conditions. *Proceedings of the 2014 IEEE Congress on Evolutionary Computation* (ed. C.A. Coello Coello), pp. 2977–2984, Beijing, China.
- [Erlich *et al.*(2014a)] Erlich, I., Rueda, J.L. & Wildenhues, S. (2014a) Evaluating the mean-variance mapping optimization on the IEEE-CEC 2014 test suite. *Proceedings of the 2014 IEEE Congress on Evolutionary Computation* (ed. C.A. Coello Coello), pp. 1625–1632, Beijing, China.
- [Erlich *et al.*(2014b)] Erlich, I., Rueda, J.L. & Wildenhues, S. (2014b) Solving the IEEE-CEC 2014 expensive optimization test problems by using single-particle MVMO. *Proceedings of the 2014 IEEE Congress on Evolutionary Computation* (ed. C.A. Coello Coello), pp. 1084–1091, Beijing, China.

- [Everitt *et al.*(2014)Everitt, Lattimore & Hutter] Everitt, T., Lattimore, T. & Hutter, M. (2014) Free lunch for optimisation under the universal distribution. *Proceedings of the 2014 IEEE Congress on Evolutionary Computation* (ed. C.A. Coello Coello), pp. 167–174, Beijing, China.
- [Farzan & DeSouza(2014)] Farzan, S. & DeSouza, G. (2014) A parallel evolutionary solution for the inverse kinematics of generic robotic manipulators. *Proceedings of the 2014 IEEE Congress on Evolutionary Computation* (ed. C.A. Coello Coello), pp. 358–365, Beijing, China.
- [Fatnassi *et al.*(2014)Fatnassi, Chebbi & Chaouachi] Fatnassi, E., Chebbi, O. & Chaouachi, J. (2014) A bee colony algorithm for routing guided automated battery-operated electric vehicles in personal rapid transit systems. *Proceedings of the 2014 IEEE Congress on Evolutionary Computation* (ed. C.A. Coello Coello), pp. 536–543, Beijing, China.
- [Felipe *et al.*(2014)Felipe, Goldberg & Goldberg] Felipe, D., Goldberg, E.F.G. & Goldberg, M.C. (2014) Scientific algorithms for the car renter salesman problem. *Proceedings of the 2014 IEEE Congress on Evolutionary Computation* (ed. C.A. Coello Coello), pp. 873–879, Beijing, China.
- [Feng *et al.*(2014)Feng, Tan & Lu] Feng, S., Tan, S. & Lu, J. (2014) Characterizing the impact of selection on the evolution of cooperation in complex networks. *Proceedings of the 2014 IEEE Congress on Evolutionary Computation* (ed. C.A. Coello Coello), pp. 813–818, Beijing, China.
- [Fieldsend(2014)] Fieldsend, J. (2014) Running up those hills: Multi-modal search with the niching migratory multi-swarm optimiser. *Proceedings of the 2014 IEEE Congress on Evolutionary Computation* (ed. C.A. Coello Coello), pp. 2593–2600, Beijing, China.
- [Fogel *et al.*(2014)Fogel, Liu, Salemi, Lamers & McGrath] Fogel, G., Liu, E., Salemi, M., Lamers, S. & McGrath, M. (2014) Evolved neural networks for HIV-1 co-receptor identification. *Proceedings of the 2014 IEEE Congress on Evolutionary Computation* (ed. C.A. Coello Coello), pp. 2778–2784, Beijing, China.
- [Fong *et al.*(2014)Fong, Asmuni, Lam, McCollum & McMullan] Fong, C.W., Asmuni, H., Lam, W.S., McCollum, B. & McMullan, P. (2014) A novel hybrid approach for curriculum based course timetabling problem. *Proceedings of the 2014 IEEE Congress on Evolutionary Computation* (ed. C.A. Coello Coello), pp. 544–550, Beijing, China.
- [Friedrich & Menzel(2014)] Friedrich, T. & Menzel, S. (2014) A cascaded evolutionary multi-objective optimization for solving the unbiased universal electric motor family problem. *Proceedings of the 2014 IEEE Congress on Evolutionary Computation* (ed. C.A. Coello Coello), pp. 3184–3191, Beijing, China.
- [Fu *et al.*(2014a)Fu, Lewis, Sendhoff, Tang & Yao] Fu, H., Lewis, P., Sendhoff, B., Tang, K. & Yao, X. (2014a) What are dynamic optimization problems? *Proceedings of the 2014 IEEE Congress on Evolutionary Computation* (ed. C.A. Coello Coello), pp. 1550–1557, Beijing, China.
- [Fu *et al.*(2014b)Fu, Johnston & Zhang] Fu, W., Johnston, M. & Zhang, M. (2014b) Unsupervised learning for edge detection using genetic programming. *Proceedings of the 2014 IEEE Congress on Evolutionary Computation* (ed. C.A. Coello Coello), pp. 117–124, Beijing, China.
- [Gao *et al.*(2014a)Gao, Weise & Li] Gao, C., Weise, T. & Li, J. (2014a) A weighting-based local search heuristic algorithm for the set covering problem. *Proceedings of the 2014 IEEE Congress on Evolutionary Computation* (ed. C.A. Coello Coello), pp. 826–831, Beijing, China.
- [Gao *et al.*(2014b)Gao, Liu, Dai & Geng] Gao, S., Liu, Z., Dai, C. & Geng, X. (2014b) Application of BPSO with GA in model-based fault diagnosis of traction substation. *Proceedings of the 2014 IEEE Congress on Evolutionary Computation* (ed. C.A. Coello Coello), pp. 2063–2069, Beijing, China.
- [Garden & Engelbrecht(2014)] Garden, R. & Engelbrecht, A. (2014) Analysis and classification of optimisation benchmark functions and benchmark suites. *Proceedings of the 2014 IEEE Congress on Evolutionary Computation* (ed. C.A. Coello Coello), pp. 1641–1649, Beijing, China.



- [Gaudesi *et al.*(2014)Gaudesi, Piccolo, Squillero & Tonda] Gaudesi, M., Piccolo, E., Squillero, G. & Tonda, A. (2014) TURAN: Evolving non-deterministic players for the iterated prisoner's dilemma. *Proceedings of the 2014 IEEE Congress on Evolutionary Computation* (ed. C.A. Coello Coello), pp. 21–27, Beijing, China.
- [Gee & Tan(2014)] Gee, S.B. & Tan, K.C. (2014) Diversity preservation with hybrid recombination for evolutionary multiobjective optimization. *Proceedings of the 2014 IEEE Congress on Evolutionary Computation* (ed. C.A. Coello Coello), pp. 1172–1178, Beijing, China.
- [Georgieva & Engelbrecht(2014)] Georgieva, K.S. & Engelbrecht, A.P. (2014) Cooperative DynDE for temporal data clustering. *Proceedings of the 2014 IEEE Congress on Evolutionary Computation* (ed. C.A. Coello Coello), pp. 437–444, Beijing, China.
- [Glette & Kaufmann(2014)] Glette, K. & Kaufmann, P. (2014) Lookup table partial reconfiguration for an evolvable hardware classifier system. *Proceedings of the 2014 IEEE Congress on Evolutionary Computation* (ed. C.A. Coello Coello), pp. 1706–1713, Beijing, China.
- [Gonzalez-Pardo & Camacho(2014)] Gonzalez-Pardo, A. & Camacho, D. (2014) A new CSP graph-based representation to resource-constrained project scheduling problem. *Proceedings of the 2014 IEEE Congress on Evolutionary Computation* (ed. C.A. Coello Coello), pp. 344–351, Beijing, China.
- [Greenwood *et al.*(2014)Greenwood, Elsayed, Sarker & Abbass] Greenwood, G., Elsayed, S., Sarker, R. & Abbass, H. (2014) Online generation of trajectories for autonomous vehicles using a multi-agent system. *Proceedings of the 2014 IEEE Congress on Evolutionary Computation* (ed. C.A. Coello Coello), pp. 1218–1224, Beijing, China.
- [Grobler *et al.*(2014)Grobler, Engelbrecht, Kendall & Yadavalli] Grobler, J., Engelbrecht, A.P., Kendall, G. & Yadavalli, V. (2014) Heuristic space diversity management in a meta-hyper-heuristic framework. *Proceedings of the 2014 IEEE Congress on Evolutionary Computation* (ed. C.A. Coello Coello), pp. 1863–1869, Beijing, China.
- [Gu & Shi(2014)] Gu, J. & Shi, X. (2014) An adaptive PSO based on motivation mechanism and acceleration restraint operator. *Proceedings of the 2014 IEEE Congress on Evolutionary Computation* (ed. C.A. Coello Coello), pp. 1328–1336, Beijing, China.
- [Gu *et al.*(2014)Gu, Yang & Dong] Gu, L., Yang, P. & Dong, Y. (2014) A dynamic-weighted collaborative filtering approach to address sparsity and adaptivity issues. *Proceedings of the 2014 IEEE Congress on Evolutionary Computation* (ed. C.A. Coello Coello), pp. 3044–3050, Beijing, China.
- [Guo *et al.*(2014)Guo, Chen, Fu & Liu] Guo, Y., Chen, M., Fu, H. & Liu, Y. (2014) Find robust solutions over time by two-layer multi-objective optimization method. *Proceedings of the 2014 IEEE Congress on Evolutionary Computation* (ed. C.A. Coello Coello), pp. 1528–1535, Beijing, China.
- [Hamza *et al.*(2014)Hamza, Sarker & Essam] Hamza, N., Sarker, R. & Essam, D. (2014) Differential evolution with a constraint consensus mutation for solving optimization problems. *Proceedings of the 2014 IEEE Congress on Evolutionary Computation* (ed. C.A. Coello Coello), pp. 991–997, Beijing, China.
- [Handa(2014)] Handa, H. (2014) Deep boltzmann machine for evolutionary agents of Mario AI. *Proceedings of the 2014 IEEE Congress on Evolutionary Computation* (ed. C.A. Coello Coello), pp. 36–41, Beijing, China.
- [Hardhienata *et al.*(2014)Hardhienata, Ugrinovskii & Merrick] Hardhienata, M., Ugrinovskii, V. & Merrick, K. (2014) Task allocation under communication constraints using motivated particle swarm optimization. *Proceedings of the 2014 IEEE Congress on Evolutionary Computation* (ed. C.A. Coello Coello), pp. 3135–3142, Beijing, China.

- [Harrison *et al.*(2014)] Harrison, Ombuki-Berman & Engelbrecht] Harrison, K., Ombuki-Berman, B. & Engelbrecht, A. (2014) Dynamic multi-objective optimization using charged vector evaluated particle swarm optimization. *Proceedings of the 2014 IEEE Congress on Evolutionary Computation* (ed. C.A. Coello Coello), pp. 1929–1936, Beijing, China.
- [He *et al.*(2014a)] He, Boris & Zhou] He, J., Boris, M. & Zhou, Y. (2014a) A theoretical assessment of solution quality in evolutionary algorithms for the knapsack problem. *Proceedings of the 2014 IEEE Congress on Evolutionary Computation* (ed. C.A. Coello Coello), pp. 141–148, Beijing, China.
- [He *et al.*(2014b)] He, Lu, Xu, Li, Qian & Zhang] He, P., Lu, L., Xu, X., Li, K., Qian, H. & Zhang, W. (2014b) Confidence-based ant random walks. *Proceedings of the 2014 IEEE Congress on Evolutionary Computation* (ed. C.A. Coello Coello), pp. 1721–1728, Beijing, China.
- [He & Chan(2014)] He, T. & Chan, K.C. (2014) Evolutionary community detection in social networks. *Proceedings of the 2014 IEEE Congress on Evolutionary Computation* (ed. C.A. Coello Coello), pp. 1496–1503, Beijing, China.
- [Helbig & Engelbrecht(2014)] Helbig, M. & Engelbrecht, A. (2014) Heterogeneous dynamic vector evaluated particle swarm optimisation for dynamic multi-objective optimisation. *Proceedings of the 2014 IEEE Congress on Evolutionary Computation* (ed. C.A. Coello Coello), pp. 3151–3159, Beijing, China.
- [Htiouech & Bouamama(2014)] Htiouech, S. & Bouamama, S. (2014) A Lagrangian and surrogate information enhanced tabu search for the MMKP. *Proceedings of the 2014 IEEE Congress on Evolutionary Computation* (ed. C.A. Coello Coello), pp. 1461–1468, Beijing, China.
- [Hu *et al.*(2014a)] Hu, Yen & Zhang] Hu, W., Yen, G. & Zhang, X. (2014a) Sensitivity analysis of parallel cell coordinate system in many-objective particle swarm optimization. *Proceedings of the 2014 IEEE Congress on Evolutionary Computation* (ed. C.A. Coello Coello), pp. 2641–2648, Beijing, China.
- [Hu & Leeson(2014)] Hu, X.B. & Leeson, M.S. (2014) Genetic algorithm with spatial receding horizon control for the optimization of facility locations. *Proceedings of the 2014 IEEE Congress on Evolutionary Computation* (ed. C.A. Coello Coello), pp. 903–909, Beijing, China.
- [Hu *et al.*(2014b)] Hu, Wang & Leeson] Hu, X.B., Wang, M. & Leeson, M.S. (2014b) Calculating the complete Pareto front for a special class of continuous multi-objective optimization problems. *Proceedings of the 2014 IEEE Congress on Evolutionary Computation* (ed. C.A. Coello Coello), pp. 290–297, Beijing, China.
- [Hu *et al.*(2014c)] Hu, Bao & Xiong] Hu, Z., Bao, Y. & Xiong, T. (2014c) Partial opposition-based adaptive differential evolution algorithms: Evaluation on the CEC 2014 benchmark set for real-parameter optimization. *Proceedings of the 2014 IEEE Congress on Evolutionary Computation* (ed. C.A. Coello Coello), pp. 2259–2265, Beijing, China.
- [Hui & Ponnuthurai(2014)] Hui, S. & Ponnuthurai, N.S. (2014) Niching-based self-adaptive ensemble DE with MMTS for solving dynamic optimization problems. *Proceedings of the 2014 IEEE Congress on Evolutionary Computation* (ed. C.A. Coello Coello), pp. 1536–1541, Beijing, China.
- [Hunt *et al.*(2014)] Hunt, Johnston & Zhang] Hunt, R., Johnston, M. & Zhang, M. (2014) Evolving machine-specific dispatching rules for a two-machine job shop using genetic programming. *Proceedings of the 2014 IEEE Congress on Evolutionary Computation* (ed. C.A. Coello Coello), pp. 618–625, Beijing, China.
- [Huo *et al.*(2014)] Huo, Cai, Gong & Liu] Huo, Y., Cai, Z., Gong, W. & Liu, Q. (2014) A new adaptive kalman filter by combining evolutionary algorithm and fuzzy inference system. *Proceedings of the 2014 IEEE Congress on Evolutionary Computation* (ed. C.A. Coello Coello), pp. 2893–2900, Beijing, China.

- [Ivan *et al.*(2014)Ivan, Jouni, Roman, Michal & Donald] Ivan, Z., Jouni, L., Roman, S., Michal, P. & Donald, D. (2014) Evolutionary algorithms dynamics and its hidden complex network structures. *Proceedings of the 2014 IEEE Congress on Evolutionary Computation* (ed. C.A. Coello Coello), pp. 3246–3251, Beijing, China.
- [Jana *et al.*(2014)Jana, Das & Sil] Jana, N.D., Das, S. & Sil, J. (2014) Particle swarm optimization with population adaptation. *Proceedings of the 2014 IEEE Congress on Evolutionary Computation* (ed. C.A. Coello Coello), pp. 573–578, Beijing, China.
- [Janecek *et al.*(2014)Janecek, Jordan & de Lima-Neto] Janecek, A., Jordan, T. & de Lima-Neto, F.B. (2014) Swarm/evolutionary intelligence for agent-based social simulation. *Proceedings of the 2014 IEEE Congress on Evolutionary Computation* (ed. C.A. Coello Coello), pp. 2925–2932, Beijing, China.
- [Jariyatantiwait & Yen(2014)] Jariyatantiwait, C. & Yen, G. (2014) Fuzzy multiobjective differential evolution using performance metrics feedback. *Proceedings of the 2014 IEEE Congress on Evolutionary Computation* (ed. C.A. Coello Coello), pp. 1959–1966, Beijing, China.
- [Jiang *et al.*(2014a)Jiang, Wang, Hei, Fei, Yang, Zou, Li & Cao] Jiang, Q., Wang, L., Hei, X., Fei, R., Yang, D., Zou, F., Li, H. & Cao, Z. (2014a) Optimal approximation of stable linear systems with a novel and efficient optimization algorithm. *Proceedings of the 2014 IEEE Congress on Evolutionary Computation* (ed. C.A. Coello Coello), pp. 840–844, Beijing, China.
- [Jiang & Yang(2014)] Jiang, S. & Yang, S. (2014) An improved quantum-behaved particle swarm optimization based on linear interpolation. *Proceedings of the 2014 IEEE Congress on Evolutionary Computation* (ed. C.A. Coello Coello), pp. 769–775, Beijing, China.
- [Jiang *et al.*(2014b)Jiang, Yang, Hao, Wang & He] Jiang, Y., Yang, Z., Hao, Z., Wang, Y. & He, H. (2014b) A cooperative honey bee mating algorithm and its application in multi-threshold image segmentation. *Proceedings of the 2014 IEEE Congress on Evolutionary Computation* (ed. C.A. Coello Coello), pp. 1579–1585, Beijing, China.
- [Jin & Yao(2014)] Jin, N. & Yao, X. (2014) Heuristic optimization for software project management with impacts of team efficiency. *Proceedings of the 2014 IEEE Congress on Evolutionary Computation* (ed. C.A. Coello Coello), pp. 3016–3023, Beijing, China.
- [Juan *et al.*(2014)Juan, Jose & Mariela] Juan, T., Jose, A. & Mariela, C. (2014) Cultural learning for multi-agent system and its application to fault management. *Proceedings of the 2014 IEEE Congress on Evolutionary Computation* (ed. C.A. Coello Coello), pp. 2188–2195, Beijing, China.
- [Judeh *et al.*(2014)Judeh, Jayyousi, Acharya, Reynolds & Zhu] Judeh, T., Jayyousi, T., Acharya, L., Reynolds, R. & Zhu, D. (2014) GSCA: Reconstructing biological pathway topologies using a cultural algorithms approach. *Proceedings of the 2014 IEEE Congress on Evolutionary Computation* (ed. C.A. Coello Coello), pp. 2206–2213, Beijing, China.
- [Karim & Mouhoub(2014)] Karim, M.R. & Mouhoub, M. (2014) Coevolutionary genetic algorithm for variable ordering in CSPs. *Proceedings of the 2014 IEEE Congress on Evolutionary Computation* (ed. C.A. Coello Coello), pp. 2716–2723, Beijing, China.
- [Kaszkurewicz *et al.*(2014)Kaszkurewicz, Bhaya, Jayadeva & da Silva] Kaszkurewicz, E., Bhaya, A., Jayadeva, J. & da Silva, J.M.M. (2014) The coupled EigenAnt algorithm for shortest path problems. *Proceedings of the 2014 IEEE Congress on Evolutionary Computation* (ed. C.A. Coello Coello), pp. 1729–1735, Beijing, China.
- [Kattan *et al.*(2014)Kattan, Kampouridis, Ong & Mehamdi] Kattan, A., Kampouridis, M., Ong, Y.S. & Mehamdi, K. (2014) Transformation of input space using statistical moments: EA-based approach. *Proceedings of the 2014 IEEE Congress on Evolutionary Computation* (ed. C.A. Coello Coello), pp. 2499–2506, Beijing, China.

- [Kazimipour *et al.*(2014a)Kazimipour, Li & Qin] Kazimipour, B., Li, X. & Qin, A. (2014a) Effects of population initialization on differential evolution for large scale optimization. *Proceedings of the 2014 IEEE Congress on Evolutionary Computation* (ed. C.A. Coello Coello), pp. 2404–2411, Beijing, China.
- [Kazimipour *et al.*(2014b)Kazimipour, Li & Qin] Kazimipour, B., Li, X. & Qin, A. (2014b) A review of population initialization techniques for evolutionary algorithms. *Proceedings of the 2014 IEEE Congress on Evolutionary Computation* (ed. C.A. Coello Coello), pp. 2585–2592, Beijing, China.
- [Kazimipour *et al.*(2014c)Kazimipour, Omidvar, Li & Qin] Kazimipour, B., Omidvar, M.N., Li, X. & Qin, A. (2014c) A novel hybridization of opposition-based learning and cooperative co-evolutionary for large-scale optimization. *Proceedings of the 2014 IEEE Congress on Evolutionary Computation* (ed. C.A. Coello Coello), pp. 2833–2840, Beijing, China.
- [Ke(2014)] Ke, L. (2014) A cooperative approach between metaheuristic and branch-and-price for the team orienteering problem with time windows. *Proceedings of the 2014 IEEE Congress on Evolutionary Computation* (ed. C.A. Coello Coello), pp. 1878–1882, Beijing, China.
- [Ki-Baek & Jong-Hwan(2014)] Ki-Baek, L. & Jong-Hwan, K. (2014) DMOPSO: Dual multi-objective particle swarm optimization. *Proceedings of the 2014 IEEE Congress on Evolutionary Computation* (ed. C.A. Coello Coello), pp. 3096–3102, Beijing, China.
- [Kizilay *et al.*(2014)Kizilay, Tasgetiren, Bulut & Bostan] Kizilay, D., Tasgetiren, M.F., Bulut, O. & Bostan, B. (2014) A discrete artificial bee colony algorithm for the parallel machine scheduling problem in DY0 painting company. *Proceedings of the 2014 IEEE Congress on Evolutionary Computation* (ed. C.A. Coello Coello), pp. 653–660, Beijing, China.
- [Klazar & Engelbrecht(2014)] Klazar, R. & Engelbrecht, A. (2014) Parameter optimization by means of statistical quality guides in F-Race. *Proceedings of the 2014 IEEE Congress on Evolutionary Computation* (ed. C.A. Coello Coello), pp. 2547–2552, Beijing, China.
- [Krawczyk *et al.*(2014)Krawczyk, Triguero, Garcia, Wozniak & Herrera] Krawczyk, B., Triguero, I., Garcia, S., Wozniak, M. & Herrera, F. (2014) A first attempt on evolutionary prototype reduction for nearest neighbor one-class classification. *Proceedings of the 2014 IEEE Congress on Evolutionary Computation* (ed. C.A. Coello Coello), pp. 747–753, Beijing, China.
- [Kren & Neruda(2014)] Kren, T. & Neruda, R. (2014) Generating lambda term individuals in typed genetic programming using forgetful A\*. *Proceedings of the 2014 IEEE Congress on Evolutionary Computation* (ed. C.A. Coello Coello), pp. 1847–1854, Beijing, China.
- [Krityakierne *et al.*(2014)Krityakierne, Mueller & Shoemaker] Krityakierne, T., Mueller, J. & Shoemaker, C. (2014) SO-MODS: Optimization for high dimensional computationally expensive multi-modal functions with surrogate search. *Proceedings of the 2014 IEEE Congress on Evolutionary Computation* (ed. C.A. Coello Coello), pp. 1092–1099, Beijing, China.
- [Kromer *et al.*(2014)Kromer, Zelinka & Snasel] Kromer, P., Zelinka, I. & Snasel, V. (2014) Can deterministic chaos improve differential evolution for the linear ordering problem? *Proceedings of the 2014 IEEE Congress on Evolutionary Computation* (ed. C.A. Coello Coello), pp. 1443–1448, Beijing, China.
- [Ksibi *et al.*(2014)Ksibi, Ammar & Amar] Ksibi, A., Ammar, A.B. & Amar, C.B. (2014) Enhancing relevance re-ranking using nature-inspired meta-heuristic optimization algorithms. *Proceedings of the 2014 IEEE Congress on Evolutionary Computation* (ed. C.A. Coello Coello), pp. 1435–1442, Beijing, China.
- [Kuang *et al.*(2014a)Kuang, Jin, Xu & Zhang] Kuang, F., Jin, Z., Xu, W. & Zhang, S. (2014a) A novel chaotic artificial bee colony algorithm based on tent map. *Proceedings of the 2014 IEEE Congress on Evolutionary Computation* (ed. C.A. Coello Coello), pp. 235–241, Beijing, China.

- [Kuang *et al.*(2014b)Kuang, Zhao, Wang, Li, Yu & Li] Kuang, L., Zhao, Z., Wang, F., Li, Y., Yu, F. & Li, Z. (2014b) A differential evolution box-covering algorithm for fractal dimension on complex networks. *Proceedings of the 2014 IEEE Congress on Evolutionary Computation* (ed. C.A. Coello Coello), pp. 693–699, Beijing, China.
- [Lara-Cabrera *et al.*(2014)Lara-Cabrera, Cotta & Fernandez-Leiva] Lara-Cabrera, R., Cotta, C. & Fernandez-Leiva, A.J. (2014) A self-adaptive evolutionary approach to the evolution of aesthetic maps for a RTS game. *Proceedings of the 2014 IEEE Congress on Evolutionary Computation* (ed. C.A. Coello Coello), pp. 298–304, Beijing, China.
- [Lattarulo *et al.*(2014)Lattarulo, Lindley & Parks] Lattarulo, V., Lindley, B.A. & Parks, G.T. (2014) Application of the MOAA for the optimization of CORAIL assemblies for nuclear reactors. *Proceedings of the 2014 IEEE Congress on Evolutionary Computation* (ed. C.A. Coello Coello), pp. 1413–1420, Beijing, China.
- [Lauri & Koukam(2014)] Lauri, F. & Koukam, A. (2014) Hybrid ACO/EA algorithms applied to the multi-agent patrolling problem. *Proceedings of the 2014 IEEE Congress on Evolutionary Computation* (ed. C.A. Coello Coello), pp. 250–257, Beijing, China.
- [Lee *et al.*(2014)Lee, Luo, Zambetta & Li] Lee, G., Luo, M., Zambetta, F. & Li, X. (2014) Learning a Super Mario controller from examples of human play. *Proceedings of the 2014 IEEE Congress on Evolutionary Computation* (ed. C.A. Coello Coello), pp. 1–8, Beijing, China.
- [Lee & Hsiao(2014)] Lee, P.M. & Hsiao, T.C. (2014) Applying LCS to affective images classification in spatial-frequency domain. *Proceedings of the 2014 IEEE Congress on Evolutionary Computation* (ed. C.A. Coello Coello), pp. 1690–1697, Beijing, China.
- [Lee & Myung(2014)] Lee, S.M. & Myung, H. (2014) A cooperative coevolutionary approach to multi-robot formation control. *Proceedings of the 2014 IEEE Congress on Evolutionary Computation* (ed. C.A. Coello Coello), pp. 1225–1231, Beijing, China.
- [Leite *et al.*(2014)Leite, Silva, Claro & Sousa] Leite, V., Silva, C., Claro, J. & Sousa, J.M.C. (2014) Optimization of power flow with energy storage using genetic algorithms. *Proceedings of the 2014 IEEE Congress on Evolutionary Computation* (ed. C.A. Coello Coello), pp. 2678–2684, Beijing, China.
- [Leung *et al.*(2014)Leung, Ng, Cheung & Lui] Leung, M.F., Ng, S.C., Cheung, C.C. & Lui, A.K. (2014) A new strategy for finding good local guides in MOPSO. *Proceedings of the 2014 IEEE Congress on Evolutionary Computation* (ed. C.A. Coello Coello), pp. 1990–1997, Beijing, China.
- [Li *et al.*(2014a)Li, Chiong & Gong] Li, B., Chiong, R. & Gong, L. (2014a) Search-evasion path planning for submarines using the artificial bee colony algorithm. *Proceedings of the 2014 IEEE Congress on Evolutionary Computation* (ed. C.A. Coello Coello), pp. 528–535, Beijing, China.
- [Li *et al.*(2014b)Li, Li, Tang & Yao] Li, B., Li, J., Tang, K. & Yao, X. (2014b) An improved two archive algorithm for many-objective optimization. *Proceedings of the 2014 IEEE Congress on Evolutionary Computation* (ed. C.A. Coello Coello), pp. 2869–2876, Beijing, China.
- [Li *et al.*(2014c)Li, Zhang & Li] Li, F., Zhang, Y. & Li, H. (2014c) Quantum bacterial foraging optimization algorithm. *Proceedings of the 2014 IEEE Congress on Evolutionary Computation* (ed. C.A. Coello Coello), pp. 1265–1272, Beijing, China.
- [Li *et al.*(2014d)Li, Zhang & Deng] Li, H., Zhang, Q. & Deng, J. (2014d) Multiobjective test problems with complicated Pareto fronts: Difficulties in degeneracy. *Proceedings of the 2014 IEEE Congress on Evolutionary Computation* (ed. C.A. Coello Coello), pp. 2156–2163, Beijing, China.
- [Li & Zhang(2014)] Li, J. & Zhang, J. (2014) Using estimation of distribution algorithm to coordinate decentralized learning automata for meta-task scheduling. *Proceedings of the 2014 IEEE Congress on Evolutionary Computation* (ed. C.A. Coello Coello), pp. 2077–2084, Beijing, China.

- [Li et al.(2014e)Li, Zheng & Tan] Li, J., Zheng, S. & Tan, Y. (2014e) Adaptive fireworks algorithm. *Proceedings of the 2014 IEEE Congress on Evolutionary Computation* (ed. C.A. Coello Coello), pp. 3214–3221, Beijing, China.
- [Li et al.(2014f)Li, Ji, Wu, He & Wu] Li, M., Ji, T., Wu, P., He, S. & Wu, Q. (2014f) Protein folding estimation using paired-bacteria optimizer. *Proceedings of the 2014 IEEE Congress on Evolutionary Computation* (ed. C.A. Coello Coello), pp. 2027–2032, Beijing, China.
- [Li & O’Riordan(2014)] Li, M. & O’Riordan, C. (2014) Graph centrality measures and the robustness of cooperation. *Proceedings of the 2014 IEEE Congress on Evolutionary Computation* (ed. C.A. Coello Coello), pp. 1232–1237, Beijing, China.
- [Li et al.(2014g)Li, Yang & Liu] Li, M., Yang, S. & Liu, X. (2014g) A test problem for visual investigation of high-dimensional multi-objective search. *Proceedings of the 2014 IEEE Congress on Evolutionary Computation* (ed. C.A. Coello Coello), pp. 2140–2147, Beijing, China.
- [Li et al.(2014h)Li, He & Hirasawa] Li, X., He, W. & Hirasawa, K. (2014h) Adaptive genetic network programming. *Proceedings of the 2014 IEEE Congress on Evolutionary Computation* (ed. C.A. Coello Coello), pp. 1808–1815, Beijing, China.
- [Li et al.(2014i)Li, He & Hirasawa] Li, X., He, W. & Hirasawa, K. (2014i) Creating stock trading rules using graph-based estimation of distribution algorithm. *Proceedings of the 2014 IEEE Congress on Evolutionary Computation* (ed. C.A. Coello Coello), pp. 731–738, Beijing, China.
- [Li et al.(2014j)Li, He & Hirasawa] Li, X., He, W. & Hirasawa, K. (2014j) Generalized classifier system: Evolving classifiers with cyclic conditions. *Proceedings of the 2014 IEEE Congress on Evolutionary Computation* (ed. C.A. Coello Coello), pp. 1682–1689, Beijing, China.
- [Li et al.(2014k)Li, He & Hirasawa] Li, X., He, W. & Hirasawa, K. (2014k) Learning and evolution of genetic network programming with knowledge transfer. *Proceedings of the 2014 IEEE Congress on Evolutionary Computation* (ed. C.A. Coello Coello), pp. 798–805, Beijing, China.
- [Li et al.(2014l)Li, Tian, Jiao & Zhang] Li, Y., Tian, X., Jiao, L. & Zhang, X. (2014l) Biclustering of gene expression data using particle swarm optimization integrated with pattern-driven local search. *Proceedings of the 2014 IEEE Congress on Evolutionary Computation* (ed. C.A. Coello Coello), pp. 1367–1373, Beijing, China.
- [Li et al.(2014m)Li, Zhou & Zhang] Li, Y., Zhou, A. & Zhang, G. (2014m) An MOEA/D with multiple differential evolution mutation operators. *Proceedings of the 2014 IEEE Congress on Evolutionary Computation* (ed. C.A. Coello Coello), pp. 397–404, Beijing, China.
- [Li et al.(2014n)Li, Shang, Liang & Qu] Li, Z., Shang, Z., Liang, J.J. & Qu, B.Y. (2014n) Differential evolution strategy based on the constraint of fitness values classification. *Proceedings of the 2014 IEEE Congress on Evolutionary Computation* (ed. C.A. Coello Coello), pp. 1454–1460, Beijing, China.
- [Li et al.(2014o)Li, Shang, Liang & Qu] Li, Z., Shang, Z., Liang, J.J. & Qu, B.Y. (2014o) Feature selection based on manifold-learning with dynamic constraint-handling differential evolution. *Proceedings of the 2014 IEEE Congress on Evolutionary Computation* (ed. C.A. Coello Coello), pp. 332–337, Beijing, China.
- [Li et al.(2014p)Li, Zhang, Wang & Yao] Li, Z., Zhang, J., Wang, W. & Yao, J. (2014p) Dimensions cooperate by Euclidean metric in particle swarm optimization. *Proceedings of the 2014 IEEE Congress on Evolutionary Computation* (ed. C.A. Coello Coello), pp. 1359–1366, Beijing, China.
- [Liang et al.(2014a)Liang, Qu, Song & Shang] Liang, J.J., Qu, B.Y., Song, H. & Shang, Z.G. (2014a) Memetic differential evolution based on fitness Euclidean-distance ratio. *Proceedings of the 2014 IEEE Congress on Evolutionary Computation* (ed. C.A. Coello Coello), pp. 2266–2273, Beijing, China.

- [Liang *et al.*(2014b)Liang, Zheng, Qu & Song] Liang, J.J., Zheng, B., Qu, B.Y. & Song, H. (2014b) Multi-objective differential evolution algorithm based on fast sorting and a novel constraints handling technique. *Proceedings of the 2014 IEEE Congress on Evolutionary Computation* (ed. C.A. Coello Coello), pp. 445–450, Beijing, China.
- [Liang *et al.*(2014c)Liang, Chen & Nien] Liang, Y.C., Chen, H.L. & Nien, Y.H. (2014c) Artificial bee colony for workflow scheduling. *Proceedings of the 2014 IEEE Congress on Evolutionary Computation* (ed. C.A. Coello Coello), pp. 558–564, Beijing, China.
- [Liao *et al.*(2014a)Liao, Zhou & Zhang] Liao, Q., Zhou, A. & Zhang, G. (2014a) A locally weighted metamodel for pre-selection in evolutionary optimization. *Proceedings of the 2014 IEEE Congress on Evolutionary Computation* (ed. C.A. Coello Coello), pp. 2483–2490, Beijing, China.
- [Liao *et al.*(2014b)Liao, Chien & Ting] Liao, X.L., Chien, C.H. & Ting, C.K. (2014b) A genetic algorithm for the minimum latency pickup and delivery problem. *Proceedings of the 2014 IEEE Congress on Evolutionary Computation* (ed. C.A. Coello Coello), pp. 3272–3279, Beijing, China.
- [Lin *et al.*(2014a)Lin, Wang, Li & Tan] Lin, K., Wang, X., Li, X. & Tan, Y. (2014a) Self-adaptive morphable model based multi-view non-cooperative 3D face reconstruction. *Proceedings of the 2014 IEEE Congress on Evolutionary Computation* (ed. C.A. Coello Coello), pp. 320–325, Beijing, China.
- [Lin *et al.*(2014b)Lin, Mitsuo & Yan] Lin, L., Mitsuo, G. & Yan, L. (2014b) A hybrid EA for high-dimensional subspace clustering problem. *Proceedings of the 2014 IEEE Congress on Evolutionary Computation* (ed. C.A. Coello Coello), pp. 2855–2860, Beijing, China.
- [Ling *et al.*(2014)Ling, San, Lam & Nguyen] Ling, S.H., San, P.P., Lam, H.K. & Nguyen, H. (2014) Non-invasive detection of hypoglycemic episodes in type1 diabetes using intelligent hybrid rough neural system. *Proceedings of the 2014 IEEE Congress on Evolutionary Computation* (ed. C.A. Coello Coello), pp. 1238–1242, Beijing, China.
- [Liu *et al.*(2014a)Liu, Chen, Zhang, Gielen & Grout] Liu, B., Chen, Q., Zhang, Q., Gielen, G. & Grout, V. (2014a) Behavioral study of the surrogate model-aware evolutionary search framework. *Proceedings of the 2014 IEEE Congress on Evolutionary Computation* (ed. C.A. Coello Coello), pp. 715–722, Beijing, China.
- [Liu & Li(2014)] Liu, C. & Li, B. (2014) Memetic algorithm with adaptive local search depth for large scale global optimization. *Proceedings of the 2014 IEEE Congress on Evolutionary Computation* (ed. C.A. Coello Coello), pp. 82–88, Beijing, China.
- [Liu *et al.*(2014b)Liu, Wu, Wang, Rahnamayan & Deng] Liu, H., Wu, Z., Wang, H., Rahnamayan, S. & Deng, C. (2014b) Improved differential evolution with adaptive opposition strategy. *Proceedings of the 2014 IEEE Congress on Evolutionary Computation* (ed. C.A. Coello Coello), pp. 1776–1783, Beijing, China.
- [Liu *et al.*(2014c)Liu, Zhou, Wu & Yuan] Liu, H., Zhou, J., Wu, X. & Yuan, P. (2014c) Optimization algorithm for rectangle packing problem based on varied-factor genetic algorithm and lowest front-line strategy. *Proceedings of the 2014 IEEE Congress on Evolutionary Computation* (ed. C.A. Coello Coello), pp. 352–357, Beijing, China.
- [Liu *et al.*(2014d)Liu, gen Cai & Wang] Liu, J., gen Cai, B. & Wang, J. (2014d) Particle swarm optimization for integrity monitoring in BDS/DR based railway train positioning. *Proceedings of the 2014 IEEE Congress on Evolutionary Computation* (ed. C.A. Coello Coello), pp. 792–797, Beijing, China.
- [Liu *et al.*(2014e)Liu, He & Hu] Liu, J., He, Y. & Hu, Y. (2014e) Regression ensemble with PSO algorithms based fuzzy integral. *Proceedings of the 2014 IEEE Congress on Evolutionary Computation* (ed. C.A. Coello Coello), pp. 762–768, Beijing, China.
- [Liu *et al.*(2014f)Liu, Zheng & Tan] Liu, J., Zheng, S. & Tan, Y. (2014f) Analysis on global convergence and time complexity of fireworks algorithm. *Proceedings of the 2014 IEEE Congress on Evolutionary Computation* (ed. C.A. Coello Coello), pp. 3207–3213, Beijing, China.

- [Liu *et al.*(2014g)Liu, Singh & Ray] Liu, M., Singh, H. & Ray, T. (2014g) A benchmark generator for dynamic capacitated arc routing problems. *Proceedings of the 2014 IEEE Congress on Evolutionary Computation* (ed. C.A. Coello Coello), pp. 579–586, Beijing, China.
- [Liu *et al.*(2014h)Liu, Singh & Ray] Liu, M., Singh, H. & Ray, T. (2014h) A memetic algorithm with a new split scheme for solving dynamic capacitated arc routing problems. *Proceedings of the 2014 IEEE Congress on Evolutionary Computation* (ed. C.A. Coello Coello), pp. 595–602, Beijing, China.
- [Liu *et al.*(2014i)Liu, Zheng, Wang, Liu & Jiang] Liu, M., Zheng, J., Wang, J., Liu, Y. & Jiang, L. (2014i) An adaptive diversity introduction method for dynamic evolutionary multiobjective optimization. *Proceedings of the 2014 IEEE Congress on Evolutionary Computation* (ed. C.A. Coello Coello), pp. 3160–3167, Beijing, China.
- [Liu *et al.*(2014j)Liu, Niu & Jiao] Liu, R., Niu, X. & Jiao, L. (2014j) A multi-swarm particle swarm optimization with orthogonal learning for locating and tracking multiple optima in dynamic environments. *Proceedings of the 2014 IEEE Congress on Evolutionary Computation* (ed. C.A. Coello Coello), pp. 754–761, Beijing, China.
- [Liu *et al.*(2014k)Liu, Sun, Zeng & Jin] Liu, T., Sun, C., Zeng, J. & Jin, Y. (2014k) Similarity- and reliability-assisted fitness estimation for particle swarm optimization of expensive problems. *Proceedings of the 2014 IEEE Congress on Evolutionary Computation* (ed. C.A. Coello Coello), pp. 640–646, Beijing, China.
- [Liu & Lin(2014)] Liu, W.Y. & Lin, C.C. (2014) A cultural algorithm for spatial forest harvest scheduling. *Proceedings of the 2014 IEEE Congress on Evolutionary Computation* (ed. C.A. Coello Coello), pp. 1273–1276, Beijing, China.
- [Lopez-Herrejon *et al.*(2014)Lopez-Herrejon, Ferrer, Chicano, Egyed & Alba] Lopez-Herrejon, R.E., Ferrer, J., Chicano, F., Egyed, A. & Alba, E. (2014) Comparative analysis of classical multi-objective evolutionary algorithms and seeding strategies for pairwise testing of software product lines. *Proceedings of the 2014 IEEE Congress on Evolutionary Computation* (ed. C.A. Coello Coello), pp. 387–396, Beijing, China.
- [Lotif(2014)] Lotif, M. (2014) Visualizing the population of meta-heuristics during the optimization process using self-organizing maps. *Proceedings of the 2014 IEEE Congress on Evolutionary Computation* (ed. C.A. Coello Coello), pp. 313–319, Beijing, China.
- [Low *et al.*(2014)Low, Weerdt, Wynn, ter Hofstede, van der Aalst & vanden Broucke] Low, W., Weerdt, J.D., Wynn, M., ter Hofstede, A., van der Aalst, W. & vanden Broucke, S. (2014) Perturbing event logs to identify cost reduction opportunities: A genetic algorithm-based approach. *Proceedings of the 2014 IEEE Congress on Evolutionary Computation* (ed. C.A. Coello Coello), pp. 2428–2435, Beijing, China.
- [Luo *et al.*(2014a)Luo, Shimoyama & Obayashi] Luo, C., Shimoyama, K. & Obayashi, S. (2014a) Kriging model based many-objective optimization with efficient calculation of expected hypervolume improvement. *Proceedings of the 2014 IEEE Congress on Evolutionary Computation* (ed. C.A. Coello Coello), pp. 1187–1194, Beijing, China.
- [Luo *et al.*(2014b)Luo, Huang & Hu] Luo, Y., Huang, S. & Hu, J. (2014b) A niching two-layered differential evolution with self-adaptive control parameters. *Proceedings of the 2014 IEEE Congress on Evolutionary Computation* (ed. C.A. Coello Coello), pp. 1405–1412, Beijing, China.
- [Ma *et al.*(2014a)Ma, Zhong & Zhang] Ma, A., Zhong, Y. & Zhang, L. (2014a) Remote sensing imagery clustering using an adaptive bi-objective memetic method. *Proceedings of the 2014 IEEE Congress on Evolutionary Computation* (ed. C.A. Coello Coello), pp. 50–57, Beijing, China.
- [Ma *et al.*(2014b)Ma, Lei, Wang & Jiao] Ma, J., Lei, Y., Wang, Z. & Jiao, L. (2014b) A memetic algorithm based on immune multi-objective optimization for flexible job-shop scheduling problems. *Proceedings of the 2014 IEEE Congress on Evolutionary Computation* (ed. C.A. Coello Coello), pp. 58–65, Beijing, China.



- [Ma *et al.*(2014c)Ma, Zhang, Wang & Yao] Ma, J., Zhang, J., Wang, W. & Yao, J. (2014c) Phase transition particle swarm optimization. *Proceedings of the 2014 IEEE Congress on Evolutionary Computation* (ed. C.A. Coello Coello), pp. 2531–2538, Beijing, China.
- [Ma *et al.*(2014d)Ma, Zuo, Zeng, Liang & Jiao] Ma, W., Zuo, Y., Zeng, J., Liang, S. & Jiao, L. (2014d) A memetic algorithm for solving flexible job-shop scheduling problems. *Proceedings of the 2014 IEEE Congress on Evolutionary Computation* (ed. C.A. Coello Coello), pp. 66–73, Beijing, China.
- [Madureira *et al.*(2014)Madureira, Cunha & Pereira] Madureira, A., Cunha, B. & Pereira, I. (2014) Cooperation mechanism for distributed resource scheduling through artificial bee colony based self-organized scheduling system. *Proceedings of the 2014 IEEE Congress on Evolutionary Computation* (ed. C.A. Coello Coello), pp. 565–572, Beijing, China.
- [Mahdavi *et al.*(2014)Mahdavi, Shiri & Rahnamayan] Mahdavi, S., Shiri, M.E. & Rahnamayan, S. (2014) Cooperative co-evolution with a new decomposition method for large-scale optimization. *Proceedings of the 2014 IEEE Congress on Evolutionary Computation* (ed. C.A. Coello Coello), pp. 1285–1292, Beijing, China.
- [Maia *et al.*(2014)Maia, de Castro & Caminhas] Maia, R., de Castro, L. & Caminhas, W. (2014) Real-parameter optimization with OptBees. *Proceedings of the 2014 IEEE Congress on Evolutionary Computation* (ed. C.A. Coello Coello), pp. 2649–2655, Beijing, China.
- [Malan & Engelbrecht(2014)] Malan, K. & Engelbrecht, A. (2014) A progressive random walk algorithm for sampling continuous fitness landscapes. *Proceedings of the 2014 IEEE Congress on Evolutionary Computation* (ed. C.A. Coello Coello), pp. 2507–2514, Beijing, China.
- [Mallipeddi *et al.*(2014)Mallipeddi, Wu, Lee & Nagaratnam] Mallipeddi, R., Wu, G., Lee, M. & Nagaratnam, S.P. (2014) Gaussian adaptation based parameter adaptation for differential evolution. *Proceedings of the 2014 IEEE Congress on Evolutionary Computation* (ed. C.A. Coello Coello), pp. 1760–1767, Beijing, China.
- [Manfrini *et al.*(2014)Manfrini, Barbosa & Bernadino] Manfrini, F., Barbosa, H. & Bernadino, H. (2014) Optimization of combinational logic circuits through decomposition of truth table and evolution of sub-circuits. *Proceedings of the 2014 IEEE Congress on Evolutionary Computation* (ed. C.A. Coello Coello), pp. 945–950, Beijing, China.
- [Marchetti *et al.*(2014)Marchetti, Manca & Zelinka] Marchetti, L., Manca, V. & Zelinka, I. (2014) On the inference of deterministic chaos: Evolutionary algorithm and metabolic P system approaches. *Proceedings of the 2014 IEEE Congress on Evolutionary Computation* (ed. C.A. Coello Coello), pp. 1483–1489, Beijing, China.
- [Mario *et al.*(2014)Mario, Navarro & Martinoli] Mario, E.D., Navarro, I. & Martinoli, A. (2014) Analysis of fitness noise in particle swarm optimization: From robotic learning to benchmark functions. *Proceedings of the 2014 IEEE Congress on Evolutionary Computation* (ed. C.A. Coello Coello), pp. 2785–2792, Beijing, China.
- [Martinez & Coello(2014)] Martinez, S.Z. & Coello, C.A.C. (2014) A multi-objective evolutionary algorithm based on decomposition for constrained multi-objective optimization. *Proceedings of the 2014 IEEE Congress on Evolutionary Computation* (ed. C.A. Coello Coello), pp. 429–436, Beijing, China.
- [Martins *et al.*(2014)Martins, Nobre, Delbem, Marques & Cardoso] Martins, L., Nobre, R., Delbem, A., Marques, E. & Cardoso, J. (2014) A clustering-based approach for exploring sequences of compiler optimizations. *Proceedings of the 2014 IEEE Congress on Evolutionary Computation* (ed. C.A. Coello Coello), pp. 2436–2443, Beijing, China.
- [Masi & Vasile(2014)] Masi, L. & Vasile, M. (2014) A multidirectional Physarum solver for the automated design of space trajectories. *Proceedings of the 2014 IEEE Congress on Evolutionary Computation* (ed. C.A. Coello Coello), pp. 2992–2999, Beijing, China.

- [Masuda *et al.*(2014)Masuda, Nojima & Ishibuchi] Masuda, H., Nojima, Y. & Ishibuchi, H. (2014) Visual examination of the behavior of EMO algorithms for many-objective optimization with many decision variables. *Proceedings of the 2014 IEEE Congress on Evolutionary Computation* (ed. C.A. Coello Coello), pp. 2633–2640, Beijing, China.
- [Matei *et al.*(2014)Matei, Contrás & Pop] Matei, O., Contrás, D. & Pop, P. (2014) Applying evolutionary computation for evolving ontologies. *Proceedings of the 2014 IEEE Congress on Evolutionary Computation* (ed. C.A. Coello Coello), pp. 1520–1527, Beijing, China.
- [Mauser *et al.*(2014)Mauser, Dorscheid, Allerdig & Schmeck] Mauser, I., Dorscheid, M., Allerdig, F. & Schmeck, H. (2014) Encodings for evolutionary algorithms in smart buildings with energy management systems. *Proceedings of the 2014 IEEE Congress on Evolutionary Computation* (ed. C.A. Coello Coello), pp. 2361–2366, Beijing, China.
- [Mavrovouniotis & Yang(2014a)] Mavrovouniotis, M. & Yang, S. (2014a) Elitism-based immigrants for ant colony optimization in dynamic environments: Adapting the replacement rate. *Proceedings of the 2014 IEEE Congress on Evolutionary Computation* (ed. C.A. Coello Coello), pp. 1752–1759, Beijing, China.
- [Mavrovouniotis & Yang(2014b)] Mavrovouniotis, M. & Yang, S. (2014b) Interactive and non-interactive hybrid immigrants schemes for ant algorithms in dynamic environments. *Proceedings of the 2014 IEEE Congress on Evolutionary Computation* (ed. C.A. Coello Coello), pp. 1542–1549, Beijing, China.
- [Mayo & Sun(2014)] Mayo, M. & Sun, Q. (2014) Evolving artificial datasets to improve interpretable classifiers. *Proceedings of the 2014 IEEE Congress on Evolutionary Computation* (ed. C.A. Coello Coello), pp. 2367–2374, Beijing, China.
- [McNabb & Seppi(2014)] McNabb, A. & Seppi, K. (2014) Serial PSO results are irrelevant in a multi-core parallel world. *Proceedings of the 2014 IEEE Congress on Evolutionary Computation* (ed. C.A. Coello Coello), pp. 3143–3150, Beijing, China.
- [Mei *et al.*(2014)Mei, Li & Yao] Mei, Y., Li, X. & Yao, X. (2014) Variable neighborhood decomposition for large scale capacitated arc routing problem. *Proceedings of the 2014 IEEE Congress on Evolutionary Computation* (ed. C.A. Coello Coello), pp. 1313–1320, Beijing, China.
- [Menchaca-Mendez & Coello(2014)] Menchaca-Mendez, A. & Coello, C.A.C. (2014) MD-MOEA : A new MOEA based on the maximin fitness function and Euclidean distances between solutions. *Proceedings of the 2014 IEEE Congress on Evolutionary Computation* (ed. C.A. Coello Coello), pp. 2148–2155, Beijing, China.
- [Menendez *et al.*(2014a)Menendez, Barrero & Camacho] Menendez, H.D., Barrero, D.F. & Camacho, D. (2014a) A co-evolutionary multi-objective approach for a k-adaptive graph-based clustering algorithm. *Proceedings of the 2014 IEEE Congress on Evolutionary Computation* (ed. C.A. Coello Coello), pp. 2724–2731, Beijing, China.
- [Menendez *et al.*(2014b)Menendez, Plaza & Camacho] Menendez, H.D., Plaza, L. & Camacho, D. (2014b) Combining graph connectivity and genetic clustering to improve biomedical summarization. *Proceedings of the 2014 IEEE Congress on Evolutionary Computation* (ed. C.A. Coello Coello), pp. 2740–2747, Beijing, China.
- [Menezes *et al.*(2014)Menezes, Goldbarg & Goldbarg] Menezes, M., Goldbarg, M. & Goldbarg, E. (2014) A memetic algorithm for the prize collecting traveling car renter problem. *Proceedings of the 2014 IEEE Congress on Evolutionary Computation* (ed. C.A. Coello Coello), pp. 3258–3265, Beijing, China.
- [Mesa *et al.*(2014)Mesa, Velasquez & Jaramillo] Mesa, E., Velasquez, J.D. & Jaramillo, P. (2014) A new self-adaptive PSO based on the identification of planar regions. *Proceedings of the 2014 IEEE Congress on Evolutionary Computation* (ed. C.A. Coello Coello), pp. 1937–1943, Beijing, China.

- [Metlicka & Davendra(2014)] Metlicka, M. & Davendra, D. (2014) Chaos-driven discrete artificial bee colony. *Proceedings of the 2014 IEEE Congress on Evolutionary Computation* (ed. C.A. Coello Coello), pp. 2947–2954, Beijing, China.
- [ming Cheung & Gu(2014)] ming Cheung, Y. & Gu, F. (2014) Online objective reduction for many-objective optimization problems. *Proceedings of the 2014 IEEE Congress on Evolutionary Computation* (ed. C.A. Coello Coello), pp. 1165–1171, Beijing, China.
- [Minisci & Vasile(2014)] Minisci, E. & Vasile, M. (2014) Adaptive inflationary differential evolution. *Proceedings of the 2014 IEEE Congress on Evolutionary Computation* (ed. C.A. Coello Coello), pp. 1792–1799, Beijing, China.
- [Mohammadi *et al.*(2014)] Mohammadi, Omidvar, Li & Deb] Mohammadi, A., Omidvar, M.N., Li, X. & Deb, K. (2014) Integrating user preferences and decomposition methods for many-objective optimization. *Proceedings of the 2014 IEEE Congress on Evolutionary Computation* (ed. C.A. Coello Coello), pp. 421–428, Beijing, China.
- [Molina *et al.*(2014)] Molina, Lacroix & Herrera] Molina, D., Lacroix, B. & Herrera, F. (2014) Influence of regions on the memetic algorithm for the special session on real-parameter single objective optimisation. *Proceedings of the 2014 IEEE Congress on Evolutionary Computation* (ed. C.A. Coello Coello), pp. 1633–1640, Beijing, China.
- [Montgomery *et al.*(2014)] Montgomery, Chen & Gonzalez-Fernandez] Montgomery, J., Chen, S. & Gonzalez-Fernandez, Y. (2014) Identifying and exploiting the scale of a search space in differential evolution. *Proceedings of the 2014 IEEE Congress on Evolutionary Computation* (ed. C.A. Coello Coello), pp. 1427–1434, Beijing, China.
- [Moshaiov & Abramovich(2014)] Moshaiov, A. & Abramovich, O. (2014) Is MO-CMA-ES superior to NSGA-II for the evolution of multi-objective neuro-controllers? *Proceedings of the 2014 IEEE Congress on Evolutionary Computation* (ed. C.A. Coello Coello), pp. 2809–2816, Beijing, China.
- [Moshaiov & Tal(2014)] Moshaiov, A. & Tal, A. (2014) Family bootstrapping: A genetic transfer learning approach for onsetting the evolution for a set of related robotic tasks. *Proceedings of the 2014 IEEE Congress on Evolutionary Computation* (ed. C.A. Coello Coello), pp. 2801–2808, Beijing, China.
- [Mu *et al.*(2014a)] Mu, Xie, Liu & Jiao] Mu, C., Xie, J., Liu, R. & Jiao, L. (2014a) A memetic algorithm using local structural information for detecting community structure in complex networks. *Proceedings of the 2014 IEEE Congress on Evolutionary Computation* (ed. C.A. Coello Coello), pp. 680–686, Beijing, China.
- [Mu *et al.*(2014b)] Mu, Zhang & Jiao] Mu, C., Zhang, J. & Jiao, L. (2014b) An intelligent ant colony optimization for community detection in complex networks. *Proceedings of the 2014 IEEE Congress on Evolutionary Computation* (ed. C.A. Coello Coello), pp. 700–706, Beijing, China.
- [Naqvi *et al.*(2014)] Naqvi, Browne & Hollitt] Naqvi, S.S., Browne, W.N. & Hollitt, C. (2014) Genetic algorithms based feature combination for salient object detection, for autonomously identified image domain types. *Proceedings of the 2014 IEEE Congress on Evolutionary Computation* (ed. C.A. Coello Coello), pp. 109–116, Beijing, China.
- [Nguyen *et al.*(2014a)] Nguyen, Xue, Liu & Zhang] Nguyen, B.H., Xue, B., Liu, I. & Zhang, M. (2014a) Filter based backward elimination in wrapper based PSO for feature selection in classification. *Proceedings of the 2014 IEEE Congress on Evolutionary Computation* (ed. C.A. Coello Coello), pp. 3111–3118, Beijing, China.
- [Nguyen *et al.*(2014b)] Nguyen, Zhang & Johnston] Nguyen, S., Zhang, M. & Johnston, M. (2014b) A sequential genetic programming method to learn forward construction heuristics for order acceptance and scheduling. *Proceedings of the 2014 IEEE Congress on Evolutionary Computation* (ed. C.A. Coello Coello), pp. 1824–1831, Beijing, China.

- [Nguyen *et al.*(2014c)Nguyen, Nguyen & Thawonmas] Nguyen, T., Nguyen, K. & Thawonmas, R. (2014c) Integrating fuzzy integral and heuristic search for unit micromanagement in RTS games. *Proceedings of the 2014 IEEE Congress on Evolutionary Computation* (ed. C.A. Coello Coello), pp. 9–12, Beijing, China.
- [Nguyen *et al.*(2014d)Nguyen, Liew, Tran, Pham & Nguyen] Nguyen, T.T., Liew, A.W.C., Tran, M.T., Pham, X.C. & Nguyen, M.P. (2014d) A novel genetic algorithm approach for simultaneous feature and classifier selection in multi classifier system. *Proceedings of the 2014 IEEE Congress on Evolutionary Computation* (ed. C.A. Coello Coello), pp. 1698–1705, Beijing, China.
- [Ni *et al.*(2014)Ni, Cao & Yin] Ni, Q., Cao, C. & Yin, X. (2014) A new dynamic probabilistic particle swarm optimization with dynamic random population topology. *Proceedings of the 2014 IEEE Congress on Evolutionary Computation* (ed. C.A. Coello Coello), pp. 1321–1327, Beijing, China.
- [Nishiyama & Iba(2014)] Nishiyama, M. & Iba, H. (2014) Applying conversion matrix to robots for imitating motion using genetic algorithms. *Proceedings of the 2014 IEEE Congress on Evolutionary Computation* (ed. C.A. Coello Coello), pp. 938–944, Beijing, China.
- [Niu & Bi(2014)] Niu, B. & Bi, Y. (2014) Binary bacterial foraging optimization for solving 0/1 knapsack problem. *Proceedings of the 2014 IEEE Congress on Evolutionary Computation* (ed. C.A. Coello Coello), pp. 647–652, Beijing, China.
- [Niu *et al.*(2014)Niu, Xie, Duan & Tan] Niu, B., Xie, T., Duan, Q. & Tan, L. (2014) Particle swarm optimization for integrated yard truck scheduling and storage allocation problem. *Proceedings of the 2014 IEEE Congress on Evolutionary Computation* (ed. C.A. Coello Coello), pp. 634–639, Beijing, China.
- [Nobile *et al.*(2014)Nobile, Citrolo, Cazzaniga, Besozzi & Mauri] Nobile, M.S., Citrolo, A.G., Cazzaniga, P., Besozzi, D. & Mauri, G. (2014) A memetic hybrid method for the molecular distance geometry problem with incomplete information. *Proceedings of the 2014 IEEE Congress on Evolutionary Computation* (ed. C.A. Coello Coello), pp. 1014–1021, Beijing, China.
- [Oh & Jin(2014)] Oh, H. & Jin, Y. (2014) Evolving hierarchical gene regulatory networks for morphogenetic pattern formation of swarm robotics. *Proceedings of the 2014 IEEE Congress on Evolutionary Computation* (ed. C.A. Coello Coello), pp. 776–783, Beijing, China.
- [Omidvar *et al.*(2014)Omidvar, Mei & Li] Omidvar, M.N., Mei, Y. & Li, X. (2014) Effective decomposition of large-scale separable continuous functions for cooperative co-evolutionary algorithms. *Proceedings of the 2014 IEEE Congress on Evolutionary Computation* (ed. C.A. Coello Coello), pp. 1305–1312, Beijing, China.
- [O’Neill *et al.*(2014)O’Neill, Nicolau & Agapitos] O’Neill, M., Nicolau, M. & Agapitos, A. (2014) Experiments in program synthesis with grammatical evolution: A focus on integer sorting. *Proceedings of the 2014 IEEE Congress on Evolutionary Computation* (ed. C.A. Coello Coello), pp. 1504–1511, Beijing, China.
- [Pandiyani(2014)] Pandiyan, M. (2014) Soft computing techniques based optimal tuning of virtual feedback PID controller for chemical tank reactor. *Proceedings of the 2014 IEEE Congress on Evolutionary Computation* (ed. C.A. Coello Coello), pp. 1922–1928, Beijing, China.
- [Pang & Coghill(2014)] Pang, W. & Coghill, G. (2014) An immune network approach to learning qualitative models of biological pathways. *Proceedings of the 2014 IEEE Congress on Evolutionary Computation* (ed. C.A. Coello Coello), pp. 1030–1037, Beijing, China.
- [Pascoal *et al.*(2014)Pascoal, Camilo-Junior, Silva & Rosa] Pascoal, L.M.L., Camilo-Junior, C.G., Silva, E.Q. & Rosa, T.C. (2014) A social-evolutionary approach to compose a similarity function used on event recommendation. *Proceedings of the 2014 IEEE Congress on Evolutionary Computation* (ed. C.A. Coello Coello), pp. 1512–1519, Beijing, China.
- [Pat(2014)] Pat, A. (2014) Ant colony optimization and hypergraph covering problems. *Proceedings of the 2014 IEEE Congress on Evolutionary Computation* (ed. C.A. Coello Coello), pp. 1714–1720, Beijing, China.

- [Peng *et al.*(2014a)Peng, Lei & Liu] Peng, X., Lei, X. & Liu, K. (2014a) Compensate information from multimodal dynamic landscapes: An anti-pathology cooperative coevolutionary algorithm. *Proceedings of the 2014 IEEE Congress on Evolutionary Computation* (ed. C.A. Coello Coello), pp. 2578–2584, Beijing, China.
- [Peng *et al.*(2014b)Peng, Zheng & Zou] Peng, Z., Zheng, J. & Zou, J. (2014b) A population diversity maintaining strategy based on dynamic environment evolutionary model for dynamic multiobjective optimization. *Proceedings of the 2014 IEEE Congress on Evolutionary Computation* (ed. C.A. Coello Coello), pp. 274–281, Beijing, China.
- [Pereira *et al.*(2014)Pereira, Roisenberg & Neto] Pereira, M., Roisenberg, M. & Neto, G. (2014) A topological niching covariance matrix adaptation for multimodal optimization. *Proceedings of the 2014 IEEE Congress on Evolutionary Computation* (ed. C.A. Coello Coello), pp. 2562–2569, Beijing, China.
- [Perez *et al.*(2014)Perez, Powley, Whitehouse, Samothrakis, Lucas & Cowling] Perez, D., Powley, E., Whitehouse, D., Samothrakis, S., Lucas, S. & Cowling, P. (2014) The 2013 multi-objective physical travelling salesman problem competition. *Proceedings of the 2014 IEEE Congress on Evolutionary Computation* (ed. C.A. Coello Coello), pp. 2314–2321, Beijing, China.
- [Peterson(2014)] Peterson, L. (2014) Evolutionary algorithms applied to likelihood function maximization during Poisson, logistic, and Cox proportional hazards regression analysis. *Proceedings of the 2014 IEEE Congress on Evolutionary Computation* (ed. C.A. Coello Coello), pp. 1054–1061, Beijing, China.
- [Philippe *et al.*(2014)Philippe, Remi & Michal] Philippe, P., Remi, M. & Michal, V. (2014) Bandits attack function optimization. *Proceedings of the 2014 IEEE Congress on Evolutionary Computation* (ed. C.A. Coello Coello), pp. 2245–2252, Beijing, China.
- [Pilat & Neruda(2014)] Pilat, M. & Neruda, R. (2014) The effect of different local search algorithms on the performance of multi-objective optimizers. *Proceedings of the 2014 IEEE Congress on Evolutionary Computation* (ed. C.A. Coello Coello), pp. 2172–2179, Beijing, China.
- [Plagianakos(2014)] Plagianakos, V. (2014) Unsupervised clustering and multi-optima evolutionary search. *Proceedings of the 2014 IEEE Congress on Evolutionary Computation* (ed. C.A. Coello Coello), pp. 2383–2390, Beijing, China.
- [Polakova *et al.*(2014)Polakova, Tvrdik & Bujok] Polakova, R., Tvrdik, J. & Bujok, P. (2014) Controlled restart in differential evolution applied to CEC2014 benchmark functions. *Proceedings of the 2014 IEEE Congress on Evolutionary Computation* (ed. C.A. Coello Coello), pp. 2230–2236, Beijing, China.
- [Poole *et al.*(2014a)Poole, Allen & Rendall] Poole, D., Allen, C. & Rendall, T. (2014a) Analysis of constraint handling methods for the gravitational search algorithm. *Proceedings of the 2014 IEEE Congress on Evolutionary Computation* (ed. C.A. Coello Coello), pp. 2005–2012, Beijing, China.
- [Poole *et al.*(2014b)Poole, Allen & Rendall] Poole, D., Allen, C. & Rendall, T. (2014b) Constraint handling in agent-based optimization by independent sub-swarms. *Proceedings of the 2014 IEEE Congress on Evolutionary Computation* (ed. C.A. Coello Coello), pp. 998–1005, Beijing, China.
- [Pop & Chira(2014)] Pop, P. & Chira, C. (2014) A hybrid approach based on genetic algorithms for solving the clustered vehicle routing problem. *Proceedings of the 2014 IEEE Congress on Evolutionary Computation* (ed. C.A. Coello Coello), pp. 1421–1426, Beijing, China.
- [Poursoltan & Neumann(2014)] Poursoltan, S. & Neumann, F. (2014) A feature-based analysis on the impact of linear constraints for e-constrained differential evolution. *Proceedings of the 2014 IEEE Congress on Evolutionary Computation* (ed. C.A. Coello Coello), pp. 3088–3095, Beijing, China.

- [Pretorius *et al.*(2014)Pretorius, du Plessis & Gonsalves] Pretorius, C., du Plessis, M. & Gonsalves, J. (2014) A comparison of neural networks and physics models as motion simulators for simple robotic evolution. *Proceedings of the 2014 IEEE Congress on Evolutionary Computation* (ed. C.A. Coello Coello), pp. 2793–2800, Beijing, China.
- [Purshouse *et al.*(2014)Purshouse, Deb, Mansor, Mostaghim & Wang] Purshouse, R.C., Deb, K., Mansor, M.M., Mostaghim, S. & Wang, R. (2014) A review of hybrid evolutionary multiple criteria decision making methods. *Proceedings of the 2014 IEEE Congress on Evolutionary Computation* (ed. C.A. Coello Coello), pp. 1147–1154, Beijing, China.
- [Qian *et al.*(2014)Qian, Huang, Gao & Wang] Qian, X., Huang, M., Gao, T. & Wang, X. (2014) An improved ant colony algorithm for winner determination in multi-attribute combinatorial reverse auction. *Proceedings of the 2014 IEEE Congress on Evolutionary Computation* (ed. C.A. Coello Coello), pp. 1917–1921, Beijing, China.
- [Qin *et al.*(2014)Qin, Tang, Pan & Xia] Qin, A.K., Tang, K., Pan, H. & Xia, S. (2014) Self-adaptive differential evolution with local search chains for real-parameter single-objective optimization. *Proceedings of the 2014 IEEE Congress on Evolutionary Computation* (ed. C.A. Coello Coello), pp. 467–474, Beijing, China.
- [Qiu *et al.*(2014)Qiu, Xu & Tan] Qiu, X., Xu, J. & Tan, K.C. (2014) A novel differential evolution (DE) algorithm for multi-objective optimization. *Proceedings of the 2014 IEEE Congress on Evolutionary Computation* (ed. C.A. Coello Coello), pp. 2391–2396, Beijing, China.
- [R.(2014)] R., R.B. (2014) Lion algorithm for standard and large scale bilinear system identification: A global optimization based on lion’s social behavior. *Proceedings of the 2014 IEEE Congress on Evolutionary Computation* (ed. C.A. Coello Coello), pp. 2116–2123, Beijing, China.
- [Rahman *et al.*(2014)Rahman, Sarker, Essam & Chang] Rahman, H.F., Sarker, R., Essam, D. & Chang, G. (2014) A memetic algorithm for solving permutation flow shop problems with known and unknown machine breakdowns. *Proceedings of the 2014 IEEE Congress on Evolutionary Computation* (ed. C.A. Coello Coello), pp. 42–49, Beijing, China.
- [Rahnamayan *et al.*(2014)Rahnamayan, Jesuthasan, Bourennani, Salehinejad & Naterer] Rahnamayan, S., Jesuthasan, J., Bourennani, F., Salehinejad, H. & Naterer, G.F. (2014) Computing opposition by involving entire population. *Proceedings of the 2014 IEEE Congress on Evolutionary Computation* (ed. C.A. Coello Coello), pp. 1800–1807, Beijing, China.
- [Rakshit *et al.*(2014)Rakshit, Konar & Nagar] Rakshit, P., Konar, A. & Nagar, A. (2014) Artificial bee colony induced multi-objective optimization in presence of noise. *Proceedings of the 2014 IEEE Congress on Evolutionary Computation* (ed. C.A. Coello Coello), pp. 3176–3183, Beijing, China.
- [Reid *et al.*(2014)Reid, Malan & Engelbrecht] Reid, S., Malan, K. & Engelbrecht, A. (2014) Carry trade portfolio optimization using particle swarm optimization. *Proceedings of the 2014 IEEE Congress on Evolutionary Computation* (ed. C.A. Coello Coello), pp. 3051–3058, Beijing, China.
- [Reps *et al.*(2014)Reps, Aickelin & Garibaldi] Reps, J., Aickelin, U. & Garibaldi, J. (2014) Tuning a multiple classifier system for side effect discovery using genetic algorithms. *Proceedings of the 2014 IEEE Congress on Evolutionary Computation* (ed. C.A. Coello Coello), pp. 910–917, Beijing, China.
- [reza Bonyadi & Michalewicz(2014)] reza Bonyadi, M. & Michalewicz, Z. (2014) On the edge of feasibility: A case study of the particle swarm optimizer. *Proceedings of the 2014 IEEE Congress on Evolutionary Computation* (ed. C.A. Coello Coello), pp. 3059–3066, Beijing, China.
- [Richter(2014)] Richter, H. (2014) Codynamic fitness landscapes of coevolutionary minimal substrates. *Proceedings of the 2014 IEEE Congress on Evolutionary Computation* (ed. C.A. Coello Coello), pp. 2692–2699, Beijing, China.

- [Rosales-Perez *et al.*(2014)Rosales-Perez, Escalante, Coello, Gonzalez & Reyes-Garcia] Rosales-Perez, A., Escalante, H.J., Coello, C.A.C., Gonzalez, J.A. & Reyes-Garcia, C.A. (2014) An evolutionary multi-objective approach for prototype generation. *Proceedings of the 2014 IEEE Congress on Evolutionary Computation* (ed. C.A. Coello Coello), pp. 1100–1107, Beijing, China.
- [Ruello *et al.*(2014)Ruello, Grimaccia, Mussetta & Zich] Ruello, M., Grimaccia, F., Mussetta, M. & Zich, R.E. (2014) Black-hole PSO and SNO for electromagnetic optimization. *Proceedings of the 2014 IEEE Congress on Evolutionary Computation* (ed. C.A. Coello Coello), pp. 1912–1916, Beijing, China.
- [Runkler & Bezdek(2014)] Runkler, T. & Bezdek, J. (2014) Multidimensional scaling with multiswarming. *Proceedings of the 2014 IEEE Congress on Evolutionary Computation* (ed. C.A. Coello Coello), pp. 2940–2946, Beijing, China.
- [Sabar & Kendall(2014a)] Sabar, N.R. & Kendall, G. (2014a) Aircraft landing problem using hybrid differential evolution and simple descent algorithm. *Proceedings of the 2014 IEEE Congress on Evolutionary Computation* (ed. C.A. Coello Coello), pp. 520–527, Beijing, China.
- [Sabar & Kendall(2014b)] Sabar, N.R. & Kendall, G. (2014b) Using harmony search with multiple pitch adjustment operators for the portfolio selection problem. *Proceedings of the 2014 IEEE Congress on Evolutionary Computation* (ed. C.A. Coello Coello), pp. 499–503, Beijing, China.
- [Salehinejad *et al.*(2014a)Salehinejad, Rahnamayan & Tizhoosh] Salehinejad, H., Rahnamayan, S. & Tizhoosh, H.R. (2014a) Micro-differential evolution with vectorized random mutation factor. *Proceedings of the 2014 IEEE Congress on Evolutionary Computation* (ed. C.A. Coello Coello), pp. 2055–2062, Beijing, China.
- [Salehinejad *et al.*(2014b)Salehinejad, Rahnamayan & Tizhoosh] Salehinejad, H., Rahnamayan, S. & Tizhoosh, H.R. (2014b) Toward using type-II opposition in optimization. *Proceedings of the 2014 IEEE Congress on Evolutionary Computation* (ed. C.A. Coello Coello), pp. 1768–1775, Beijing, China.
- [Santu *et al.*(2014)Santu, Rahman, Islam & Murase] Santu, S.K.K., Rahman, M.M., Islam, M.M. & Murase, K. (2014) Towards better generalization in Pittsburgh learning classifier systems. *Proceedings of the 2014 IEEE Congress on Evolutionary Computation* (ed. C.A. Coello Coello), pp. 1666–1673, Beijing, China.
- [Sayed *et al.*(2014)Sayed, Essam, Sarker & Elsayed] Sayed, E., Essam, D., Sarker, R. & Elsayed, S. (2014) A decomposition-based algorithm for dynamic economic dispatch problems. *Proceedings of the 2014 IEEE Congress on Evolutionary Computation* (ed. C.A. Coello Coello), pp. 1898–1905, Beijing, China.
- [Scardapane *et al.*(2014)Scardapane, Comminiello, Scarpiniti & Uncini] Scardapane, S., Comminiello, D., Scarpiniti, M. & Uncini, A. (2014) GP-based kernel evolution for L2-regularization networks. *Proceedings of the 2014 IEEE Congress on Evolutionary Computation* (ed. C.A. Coello Coello), pp. 1674–1681, Beijing, China.
- [Schaefer *et al.*(2014)Schaefer, Krawczyk, Doshi & Nakashima] Schaefer, G., Krawczyk, B., Doshi, N. & Nakashima, T. (2014) Cost-sensitive texture classification. *Proceedings of the 2014 IEEE Congress on Evolutionary Computation* (ed. C.A. Coello Coello), pp. 105–108, Beijing, China.
- [Scheepers & Engelbrecht(2014)] Scheepers, C. & Engelbrecht, A. (2014) Competitive coevolutionary training of simple soccer agents from zero knowledge. *Proceedings of the 2014 IEEE Congress on Evolutionary Computation* (ed. C.A. Coello Coello), pp. 1210–1217, Beijing, China.
- [Schlueter & Munetomo(2014)] Schlueter, M. & Munetomo, M. (2014) Parallelization for space trajectory optimization. *Proceedings of the 2014 IEEE Congress on Evolutionary Computation* (ed. C.A. Coello Coello), pp. 832–839, Beijing, China.

- [Segredo *et al.*(2014)Segredo, Segura & Leon] Segredo, E., Segura, C. & Leon, C. (2014) Control of numeric and symbolic parameters with a hybrid scheme based on fuzzy logic and hyper-heuristics. *Proceedings of the 2014 IEEE Congress on Evolutionary Computation* (ed. C.A. Coello Coello), pp. 1890–1897, Beijing, China.
- [Segura *et al.*(2014)Segura, Coello, Segredo & Leon] Segura, C., Coello, C.A.C., Segredo, E. & Leon, C. (2014) An analysis of the automatic adaptation of the crossover rate in differential evolution. *Proceedings of the 2014 IEEE Congress on Evolutionary Computation* (ed. C.A. Coello Coello), pp. 459–466, Beijing, China.
- [Sekanina *et al.*(2014)Sekanina, Ptak & Vasicek] Sekanina, L., Ptak, O. & Vasicek, Z. (2014) Cartesian genetic programming as local optimizer of logic networks. *Proceedings of the 2014 IEEE Congress on Evolutionary Computation* (ed. C.A. Coello Coello), pp. 2901–2908, Beijing, China.
- [Sephton *et al.*(2014)Sephton, Cowling, Powley, Whitehouse & Slaven] Sephton, N., Cowling, P., Powley, E., Whitehouse, D. & Slaven, N. (2014) Parallelization of information set Monte Carlo tree search. *Proceedings of the 2014 IEEE Congress on Evolutionary Computation* (ed. C.A. Coello Coello), pp. 2290–2297, Beijing, China.
- [Shan *et al.*(2014)Shan, Yasuda & Ohkura] Shan, H., Yasuda, T. & Ohkura, K. (2014) A Levy flight-based hybrid artificial bee colony algorithm for solving numerical optimization problems. *Proceedings of the 2014 IEEE Congress on Evolutionary Computation* (ed. C.A. Coello Coello), pp. 2656–2663, Beijing, China.
- [Shang *et al.*(2014)Shang, Zhang & Jiao] Shang, R., Zhang, K. & Jiao, L. (2014) A novel algorithm for many-objective dimension reductions: Pareto-PCA-NSGA-II. *Proceedings of the 2014 IEEE Congress on Evolutionary Computation* (ed. C.A. Coello Coello), pp. 1974–1981, Beijing, China.
- [Shang-Chia *et al.*(2014)Shang-Chia, Wei-Chang & Tso-Jung] Shang-Chia, W., Wei-Chang, Y. & Tso-Jung, Y. (2014) Pareto simplified swarm optimization for grid-computing reliability and service makespan in grid-RMS. *Proceedings of the 2014 IEEE Congress on Evolutionary Computation* (ed. C.A. Coello Coello), pp. 1593–1600, Beijing, China.
- [Shao *et al.*(2014)Shao, Abielmona, Falcon & Japkowicz] Shao, H., Abielmona, R., Falcon, R. & Japkowicz, N. (2014) Vessel track correlation and association using fuzzy logic and echo state networks. *Proceedings of the 2014 IEEE Congress on Evolutionary Computation* (ed. C.A. Coello Coello), pp. 2322–2329, Beijing, China.
- [Shi *et al.*(2014)Shi, Peng & Wei] Shi, Z., Peng, Y. & Wei, W. (2014) Optimal sizing of DGs and storage for microgrid with interruptible load using improved NSGA-II. *Proceedings of the 2014 IEEE Congress on Evolutionary Computation* (ed. C.A. Coello Coello), pp. 2108–2115, Beijing, China.
- [Shuai *et al.*(2014)Shuai, Wang & Gong] Shuai, L., Wang, Z. & Gong, T. (2014) Simulating the coevolution of language and long-term memory. *Proceedings of the 2014 IEEE Congress on Evolutionary Computation* (ed. C.A. Coello Coello), pp. 1374–1381, Beijing, China.
- [Si *et al.*(2014)Si, Shen, Zou, Wang & Wu] Si, C., Shen, J., Zou, X., Wang, L. & Wu, Q. (2014) Mapping constrained optimization problems to penalty parameters: An empirical study. *Proceedings of the 2014 IEEE Congress on Evolutionary Computation* (ed. C.A. Coello Coello), pp. 3073–3079, Beijing, China.
- [Silva *et al.*(2014)Silva, Camilo-Junior, Pascoal & Rosa] Silva, E.Q., Camilo-Junior, C.G., Pascoal, L.M.L. & Rosa, T.C. (2014) An evolutionary approach for combining results of recommender systems techniques based on collaborative filtering. *Proceedings of the 2014 IEEE Congress on Evolutionary Computation* (ed. C.A. Coello Coello), pp. 959–966, Beijing, China.
- [Singh *et al.*(2014a)Singh, Asafuddoula & Ray] Singh, H., Asafuddoula, M. & Ray, T. (2014a) Solving problems with a mix of hard and soft constraints using modified infeasibility driven evolutionary algorithm (IDEA-M). *Proceedings of the 2014 IEEE Congress on Evolutionary Computation* (ed. C.A. Coello Coello), pp. 983–990, Beijing, China.



- [Singh *et al.*(2014b)Singh, Isaacs & Ray] Singh, H., Isaacs, A. & Ray, T. (2014b) A hybrid surrogate based algorithm (HSBA) to solve computationally expensive optimization problems. *Proceedings of the 2014 IEEE Congress on Evolutionary Computation* (ed. C.A. Coello Coello), pp. 1069–1075, Beijing, China.
- [Singh *et al.*(2014c)Singh, Couckuyt, Ferranti & Dhaene] Singh, P., Couckuyt, I., Ferranti, F. & Dhaene, T. (2014c) A constrained multi-objective surrogate-based optimization algorithm. *Proceedings of the 2014 IEEE Congress on Evolutionary Computation* (ed. C.A. Coello Coello), pp. 3080–3087, Beijing, China.
- [Sinha *et al.*(2014)Sinha, Malo & Deb] Sinha, A., Malo, P. & Deb, K. (2014) An improved bilevel evolutionary algorithm based on quadratic approximations. *Proceedings of the 2014 IEEE Congress on Evolutionary Computation* (ed. C.A. Coello Coello), pp. 1870–1877, Beijing, China.
- [Smith *et al.*(2014)Smith, Doherty & Jin] Smith, C., Doherty, J. & Jin, Y. (2014) Multi-objective evolutionary recurrent neural network ensemble for prediction of computational fluid dynamic simulations. *Proceedings of the 2014 IEEE Congress on Evolutionary Computation* (ed. C.A. Coello Coello), pp. 2609–2616, Beijing, China.
- [Smullen *et al.*(2014)Smullen, Gillett, Heron & Rahnamayan] Smullen, D., Gillett, J., Heron, J. & Rahnamayan, S. (2014) Genetic algorithm with self-adaptive mutation controlled by chromosome similarity. *Proceedings of the 2014 IEEE Congress on Evolutionary Computation* (ed. C.A. Coello Coello), pp. 504–511, Beijing, China.
- [Soncco-Alvarez & Ayala-Rincon(2014)] Soncco-Alvarez, J.L. & Ayala-Rincon, M. (2014) Memetic algorithm for sorting unsigned permutations by reversals. *Proceedings of the 2014 IEEE Congress on Evolutionary Computation* (ed. C.A. Coello Coello), pp. 2770–2777, Beijing, China.
- [Song *et al.*(2014)Song, Ji, Yang & Zhang] Song, X., Ji, J., Yang, C. & Zhang, X. (2014) Ant colony clustering based on sampling for community detection. *Proceedings of the 2014 IEEE Congress on Evolutionary Computation* (ed. C.A. Coello Coello), pp. 687–692, Beijing, China.
- [Souza *et al.*(2014a)Souza, Prudencio & Barros] Souza, L., Prudencio, R. & Barros, F. (2014a) A comparison study of binary multi-objective particle swarm optimization approaches for test case selection. *Proceedings of the 2014 IEEE Congress on Evolutionary Computation* (ed. C.A. Coello Coello), pp. 2164–2171, Beijing, China.
- [Souza *et al.*(2014b)Souza, Goldberg & Goldberg] Souza, T., Goldberg, E. & Goldberg, M. (2014b) An experimental analysis of evolutionary algorithms for the three-objective oil derivatives distribution problem. *Proceedings of the 2014 IEEE Congress on Evolutionary Computation* (ed. C.A. Coello Coello), pp. 1982–1989, Beijing, China.
- [St-Pierre & Liu(2014)] St-Pierre, D.L. & Liu, J. (2014) Differential evolution algorithm applied to non-stationary bandit problem. *Proceedings of the 2014 IEEE Congress on Evolutionary Computation* (ed. C.A. Coello Coello), pp. 2397–2403, Beijing, China.
- [Stanley *et al.*(2014)Stanley, Palazzolo & Warnke] Stanley, S., Palazzolo, T. & Warnke, D. (2014) Analyzing prehistoric hunter behavior with cultural algorithms. *Proceedings of the 2014 IEEE Congress on Evolutionary Computation* (ed. C.A. Coello Coello), pp. 2196–2205, Beijing, China.
- [Su & Yu(2014)] Su, Y.E. & Yu, T.L. (2014) Use model building on discretization algorithms for discrete EDAs to work on real-valued problems. *Proceedings of the 2014 IEEE Congress on Evolutionary Computation* (ed. C.A. Coello Coello), pp. 2491–2498, Beijing, China.
- [Sudo *et al.*(2014)Sudo, Nojima & Ishibuchi] Sudo, T., Nojima, Y. & Ishibuchi, H. (2014) Effects of ensemble action selection on the evolution of iterated prisoner’s dilemma game strategies. *Proceedings of the 2014 IEEE Congress on Evolutionary Computation* (ed. C.A. Coello Coello), pp. 1195–1201, Beijing, China.

- [Suzuki *et al.*(2014)Suzuki, Tsuruta, Knauf & Sakurai] Suzuki, M., Tsuruta, S., Knauf, R. & Sakurai, Y. (2014) Knowledge acquisition issues for intelligent route optimization by evolutionary computation. *Proceedings of the 2014 IEEE Congress on Evolutionary Computation* (ed. C.A. Coello Coello), pp. 3252–3257, Beijing, China.
- [Tamura & Yasuda(2014)] Tamura, K. & Yasuda, K. (2014) Primary study on feedback controlled differential evolution. *Proceedings of the 2014 IEEE Congress on Evolutionary Computation* (ed. C.A. Coello Coello), pp. 371–378, Beijing, China.
- [Tanabe & Fukunaga(2014)] Tanabe, R. & Fukunaga, A. (2014) Improving the search performance of SHADE using linear population size reduction. *Proceedings of the 2014 IEEE Congress on Evolutionary Computation* (ed. C.A. Coello Coello), pp. 1658–1665, Beijing, China.
- [Tang & Abbass(2014)] Tang, J. & Abbass, H.A. (2014) Behavioral learning of aircraft landing sequencing using a society of probabilistic finite state machines. *Proceedings of the 2014 IEEE Congress on Evolutionary Computation* (ed. C.A. Coello Coello), pp. 610–617, Beijing, China.
- [Thanh *et al.*(2014)Thanh, Van, Xuan, Duc & Manh] Thanh, B.H.T., Van, L.T., Xuan, H.N., Duc, A.N. & Manh, T.P. (2014) Reordering dimensions for radial visualization of multidimensional data - a genetic algorithms approach. *Proceedings of the 2014 IEEE Congress on Evolutionary Computation* (ed. C.A. Coello Coello), pp. 951–958, Beijing, China.
- [Thompson & Congdon(2014)] Thompson, J.A. & Congdon, C.B. (2014) GAMI-CRM: Using de novo motif inference to detect cis-regulatory modules. *Proceedings of the 2014 IEEE Congress on Evolutionary Computation* (ed. C.A. Coello Coello), pp. 1022–1029, Beijing, China.
- [Triguero *et al.*(2014)Triguero, Peralta, Bacardit, Garcia & Herrera] Triguero, I., Peralta, D., Bacardit, J., Garcia, S. & Herrera, F. (2014) A combined MapReduce-windowing two-level parallel scheme for evolutionary prototype generation. *Proceedings of the 2014 IEEE Congress on Evolutionary Computation* (ed. C.A. Coello Coello), pp. 3036–3043, Beijing, China.
- [Tsai *et al.*(2014a)Tsai, Chen & ping Chen] Tsai, P.C., Chen, C.M. & ping Chen, Y. (2014a) A novel evaluation function for LT codes degree distribution optimization. *Proceedings of the 2014 IEEE Congress on Evolutionary Computation* (ed. C.A. Coello Coello), pp. 3030–3035, Beijing, China.
- [Tsai *et al.*(2014b)Tsai, Chen & ping Chen] Tsai, P.C., Chen, C.M. & ping Chen, Y. (2014b) PSO-based evacuation simulation framework. *Proceedings of the 2014 IEEE Congress on Evolutionary Computation* (ed. C.A. Coello Coello), pp. 1944–1950, Beijing, China.
- [Tsang(2014)] Tsang, J. (2014) The structure of a probabilistic 2-state finite transducer representation for prisoner’s dilemma. *Proceedings of the 2014 IEEE Congress on Evolutionary Computation* (ed. C.A. Coello Coello), pp. 1202–1209, Beijing, China.
- [Tung *et al.*(2014)Tung, Ma & Yu] Tung, H.Y., Ma, W.C. & Yu, T.L. (2014) Novel traffic signal timing adjustment strategy based on genetic algorithm. *Proceedings of the 2014 IEEE Congress on Evolutionary Computation* (ed. C.A. Coello Coello), pp. 2353–2360, Beijing, China.
- [Turky & Abdullah(2014)] Turky, A. & Abdullah, S. (2014) Using electromagnetic algorithm for tuning the structure and parameters of neural networks. *Proceedings of the 2014 IEEE Congress on Evolutionary Computation* (ed. C.A. Coello Coello), pp. 326–331, Beijing, China.
- [Vafaei *et al.*(2014)Vafaei, Turan, Nelson & Berger-Wolf] Vafaei, F., Turan, G., Nelson, P. & Berger-Wolf, T. (2014) Balancing the exploration and exploitation in an adaptive diversity guided genetic algorithm. *Proceedings of the 2014 IEEE Congress on Evolutionary Computation* (ed. C.A. Coello Coello), pp. 2570–2577, Beijing, China.
- [Valsecchi *et al.*(2014)Valsecchi, Mesejo, Marrakchi-Kacem, Cagnoni & Damas] Valsecchi, A., Mesejo, P., Marrakchi-Kacem, L., Cagnoni, S. & Damas, S. (2014) Automatic evolutionary medical image segmentation using deformable models. *Proceedings of the 2014 IEEE Congress on Evolutionary Computation* (ed. C.A. Coello Coello), pp. 97–104, Beijing, China.

- [vanden Broucke *et al.*(2014)vanden Broucke, Vanthienen & Baesens] vanden Broucke, S., Vanthienen, J. & Baesens, B. (2014) Declarative process discovery with evolutionary computing. *Proceedings of the 2014 IEEE Congress on Evolutionary Computation* (ed. C.A. Coello Coello), pp. 2412–2419, Beijing, China.
- [Varela *et al.*(2014)Varela, Caamano, Orjales, Deibe, Lopez-Pena & Duro] Varela, G., Caamano, P., Orjales, F., Deibe, A., Lopez-Pena, F. & Duro, R. (2014) Differential evolution in constrained sampling problems. *Proceedings of the 2014 IEEE Congress on Evolutionary Computation* (ed. C.A. Coello Coello), pp. 2375–2382, Beijing, China.
- [Viegas *et al.*(2014)Viegas, Vieira, Sousa & Henriques] Viegas, J., Vieira, S., Sousa, J. & Henriques, E. (2014) Metaheuristics for the 3D bin packing problem in the steel industry. *Proceedings of the 2014 IEEE Congress on Evolutionary Computation* (ed. C.A. Coello Coello), pp. 338–343, Beijing, China.
- [Wagner(2014)] Wagner, M. (2014) Maximising axiomatization coverage and minimizing regression testing time. *Proceedings of the 2014 IEEE Congress on Evolutionary Computation* (ed. C.A. Coello Coello), pp. 2885–2892, Beijing, China.
- [Wagner & Neumann(2014)] Wagner, M. & Neumann, F. (2014) Single- and multi-objective genetic programming: New runtime results for SORTING. *Proceedings of the 2014 IEEE Congress on Evolutionary Computation* (ed. C.A. Coello Coello), pp. 125–132, Beijing, China.
- [Wang *et al.*(2014a)Wang, Xu & Yuan] Wang, B., Xu, H. & Yuan, Y. (2014a) Quantum-inspired evolutionary algorithm with linkage learning. *Proceedings of the 2014 IEEE Congress on Evolutionary Computation* (ed. C.A. Coello Coello), pp. 2467–2474, Beijing, China.
- [Wang *et al.*(2014b)Wang, Gao & Zhu] Wang, F., Gao, Y. & Zhu, Z. (2014b) Locality-sensitive hashing based multiobjective memetic algorithm for dynamic pickup and delivery problems. *Proceedings of the 2014 IEEE Congress on Evolutionary Computation* (ed. C.A. Coello Coello), pp. 661–666, Beijing, China.
- [Wang *et al.*(2014c)Wang, Yang, Li & Zhang] Wang, L., Yang, B., Li, Y. & Zhang, N. (2014c) A novel improvement of particle swarm optimization using dual factors strategy. *Proceedings of the 2014 IEEE Congress on Evolutionary Computation* (ed. C.A. Coello Coello), pp. 183–189, Beijing, China.
- [Wang *et al.*(2014d)Wang, Li, Gong, Su & Jiao] Wang, Q., Li, H., Gong, M., Su, L. & Jiao, L. (2014d) A multiobjective optimization method based on MOEA/D and fuzzy clustering for change detection in SAR images. *Proceedings of the 2014 IEEE Congress on Evolutionary Computation* (ed. C.A. Coello Coello), pp. 3024–3029, Beijing, China.
- [Wang *et al.*(2014e)Wang, Gain & Nitschke] Wang, S., Gain, J. & Nitschke, G. (2014e) Comparing crossover operators in neuro-evolution with crowd simulations. *Proceedings of the 2014 IEEE Congress on Evolutionary Computation* (ed. C.A. Coello Coello), pp. 2298–2305, Beijing, China.
- [Wang *et al.*(2014f)Wang, Gong, Ma, Cai & Jiao] Wang, S., Gong, M., Ma, L., Cai, Q. & Jiao, L. (2014f) Decomposition based multiobjective evolutionary algorithm for collaborative filtering recommender systems. *Proceedings of the 2014 IEEE Congress on Evolutionary Computation* (ed. C.A. Coello Coello), pp. 672–679, Beijing, China.
- [Wang *et al.*(2014g)Wang, Zuo & Zhao] Wang, S., Zuo, X. & Zhao, X. (2014g) Solving dynamic double-row layout problem via an improved simulated annealing algorithm. *Proceedings of the 2014 IEEE Congress on Evolutionary Computation* (ed. C.A. Coello Coello), pp. 1299–1304, Beijing, China.
- [Wang *et al.*(2014h)Wang, Tung & Yu] Wang, S.M., Tung, Y.F. & Yu, T.L. (2014h) Investigation on efficiency of optimal mixing on various linkage sets. *Proceedings of the 2014 IEEE Congress on Evolutionary Computation* (ed. C.A. Coello Coello), pp. 2475–2482, Beijing, China.

- [Wang *et al.*(2014i)Wang, Liu, Japkowicz & Matwin] Wang, X., Liu, X., Japkowicz, N. & Matwin, S. (2014i) Automatic target recognition using multiple-aspect sonar images. *Proceedings of the 2014 IEEE Congress on Evolutionary Computation* (ed. C.A. Coello Coello), pp. 2330–2337, Beijing, China.
- [Wang & Yin(2014)] Wang, Y. & Yin, J. (2014) Intelligent search optimized edge potential function (EPF) approach to synthetic aperture radar (SAR) scene matching. *Proceedings of the 2014 IEEE Congress on Evolutionary Computation* (ed. C.A. Coello Coello), pp. 2124–2131, Beijing, China.
- [Wang *et al.*(2014j)Wang, Gong, Cai, Ma & Jiao] Wang, Z., Gong, M., Cai, Q., Ma, L. & Jiao, L. (2014j) Deployment optimization of near space airships based on MOEA/D with local search. *Proceedings of the 2014 IEEE Congress on Evolutionary Computation* (ed. C.A. Coello Coello), pp. 2345–2352, Beijing, China.
- [Wang *et al.*(2014k)Wang, Zhang, Gong & Zhou] Wang, Z., Zhang, Q., Gong, M. & Zhou, A. (2014k) A replacement strategy for balancing convergence and diversity in MOEA/D. *Proceedings of the 2014 IEEE Congress on Evolutionary Computation* (ed. C.A. Coello Coello), pp. 2132–2139, Beijing, China.
- [Watanabe *et al.*(2014a)Watanabe, Chiba & Kanazaki] Watanabe, S., Chiba, Y. & Kanazaki, M. (2014a) A proposal on analysis support system based on association rule analysis for non-dominated solutions. *Proceedings of the 2014 IEEE Congress on Evolutionary Computation* (ed. C.A. Coello Coello), pp. 880–887, Beijing, China.
- [Watanabe *et al.*(2014b)Watanabe, Tatsukawa, Jaimes, Aono, Nonomura, Oyama & Fujii] Watanabe, T., Tatsukawa, T., Jaimes, A.L., Aono, H., Nonomura, T., Oyama, A. & Fujii, K. (2014b) Many-objective evolutionary computation for optimization of separated-flow control using a DBD plasma actuator. *Proceedings of the 2014 IEEE Congress on Evolutionary Computation* (ed. C.A. Coello Coello), pp. 2849–2854, Beijing, China.
- [Wei *et al.*(2014)Wei, Wang & Zong] Wei, F., Wang, Y. & Zong, T. (2014) Variable grouping based differential evolution using an auxiliary function for large scale global optimization. *Proceedings of the 2014 IEEE Congress on Evolutionary Computation* (ed. C.A. Coello Coello), pp. 1293–1298, Beijing, China.
- [Wei & Dinneen(2014a)] Wei, K. & Dinneen, M.J. (2014a) Hybridizing the dynamic mutation approach with local searches to overcome local optima. *Proceedings of the 2014 IEEE Congress on Evolutionary Computation* (ed. C.A. Coello Coello), pp. 74–81, Beijing, China.
- [Wei & Dinneen(2014b)] Wei, K. & Dinneen, M.J. (2014b) Runtime comparison of two fitness functions on a memetic algorithm for the clique problem. *Proceedings of the 2014 IEEE Congress on Evolutionary Computation* (ed. C.A. Coello Coello), pp. 133–140, Beijing, China.
- [wei Zheng *et al.*(2014)wei Zheng, jie Lu & hua Chen] wei Zheng, X., jie Lu, D. & hua Chen, Z. (2014) A self-adaptive group search optimizer with elitist strategy. *Proceedings of the 2014 IEEE Congress on Evolutionary Computation* (ed. C.A. Coello Coello), pp. 2033–2039, Beijing, China.
- [Weise *et al.*(2014)Weise, Wan, Tang & Yao] Weise, T., Wan, M., Tang, K. & Yao, X. (2014) Evolving exact integer algorithms with genetic programming. *Proceedings of the 2014 IEEE Congress on Evolutionary Computation* (ed. C.A. Coello Coello), pp. 1816–1823, Beijing, China.
- [Weiszer *et al.*(2014)Weiszer, Chen, Ravizza, Atkin & Stewart] Weiszer, M., Chen, J., Ravizza, S., Atkin, J. & Stewart, P. (2014) A heuristic approach to greener airport ground movement. *Proceedings of the 2014 IEEE Congress on Evolutionary Computation* (ed. C.A. Coello Coello), pp. 3280–3286, Beijing, China.
- [Wesolkowski *et al.*(2014)Wesolkowski, Francetic & Grant] Wesolkowski, S., Francetic, N. & Grant, S. (2014) TraDE: Training device selection via multi-objective optimization. *Proceedings of the 2014 IEEE Congress on Evolutionary Computation* (ed. C.A. Coello Coello), pp. 2617–2624, Beijing, China.

- [Wong *et al.*(2014)Wong, Lo, Wong & Leung] Wong, P.K., Lo, L.Y., Wong, M.L. & Leung, K.S. (2014) Grammar based genetic programming with Bayesian network. *Proceedings of the 2014 IEEE Congress on Evolutionary Computation* (ed. C.A. Coello Coello), pp. 739–746, Beijing, China.
- [Wu *et al.*(2014a)Wu, Liu & Ting] Wu, C.L., Liu, C.H. & Ting, C.K. (2014a) A novel genetic algorithm considering measures and phrases for generating melody. *Proceedings of the 2014 IEEE Congress on Evolutionary Computation* (ed. C.A. Coello Coello), pp. 2101–2107, Beijing, China.
- [Wu *et al.*(2014b)Wu, Chiang & Fu] Wu, C.W., Chiang, T.C. & Fu, L.C. (2014b) An ant colony optimization algorithm for multi-objective clustering in mobile ad hoc networks. *Proceedings of the 2014 IEEE Congress on Evolutionary Computation* (ed. C.A. Coello Coello), pp. 2963–2968, Beijing, China.
- [Wu *et al.*(2014c)Wu, Zhang & Wu] Wu, H., Zhang, F. & Wu, L. (2014c) An uncultivated wolf pack algorithm for high-dimensional functions and its application in parameters optimization of PID controller. *Proceedings of the 2014 IEEE Congress on Evolutionary Computation* (ed. C.A. Coello Coello), pp. 1477–1482, Beijing, China.
- [Wu *et al.*(2014d)Wu, Yuan, Gong, Ma, Ma & Li] Wu, J., Yuan, L., Gong, Q., Ma, W., Ma, J. & Li, Y. (2014d) A compression optimization algorithm for community detection. *Proceedings of the 2014 IEEE Congress on Evolutionary Computation* (ed. C.A. Coello Coello), pp. 667–671, Beijing, China.
- [Wu *et al.*(2014e)Wu, Karkar, Liu, Yakovlev & Gielen] Wu, M., Karkar, A., Liu, B., Yakovlev, A. & Gielen, G. (2014e) Network on chip optimization based on surrogate model assisted evolutionary algorithms. *Proceedings of the 2014 IEEE Congress on Evolutionary Computation* (ed. C.A. Coello Coello), pp. 3266–3271, Beijing, China.
- [Wu *et al.*(2014f)Wu, Zhu & Ji] Wu, N., Zhu, Z. & Ji, Z. (2014f) A growing partitional clustering based on particle swarm optimization. *Proceedings of the 2014 IEEE Congress on Evolutionary Computation* (ed. C.A. Coello Coello), pp. 229–234, Beijing, China.
- [Wu & Liu(2014)] Wu, S.Y. & Liu, J.S. (2014) Evolutionary path planning of a data mule in wireless sensor network by using shortcuts. *Proceedings of the 2014 IEEE Congress on Evolutionary Computation* (ed. C.A. Coello Coello), pp. 2708–2715, Beijing, China.
- [Wu & Kolonko(2014)] Wu, Z. & Kolonko, M. (2014) Absorption in model-based search algorithms for combinatorial optimization. *Proceedings of the 2014 IEEE Congress on Evolutionary Computation* (ed. C.A. Coello Coello), pp. 1744–1751, Beijing, China.
- [Xiang *et al.*(2014)Xiang, Zhang & Chen] Xiang, T., Zhang, W. & Chen, F. (2014) A verifiable PSO algorithm in cloud computing. *Proceedings of the 2014 IEEE Congress on Evolutionary Computation* (ed. C.A. Coello Coello), pp. 190–193, Beijing, China.
- [Xiao *et al.*(2014)Xiao, Trefzer, Walker, Bale & Tyrrell] Xiao, Y., Trefzer, M., Walker, J., Bale, S. & Tyrrell, A. (2014) Two step evolution strategy for device motif BSIM model parameter extraction. *Proceedings of the 2014 IEEE Congress on Evolutionary Computation* (ed. C.A. Coello Coello), pp. 2877–2884, Beijing, China.
- [Xie & Shang(2014)] Xie, C. & Shang, L. (2014) Anomaly detection in crowded scenes using genetic programming. *Proceedings of the 2014 IEEE Congress on Evolutionary Computation* (ed. C.A. Coello Coello), pp. 1832–1839, Beijing, China.
- [Xie *et al.*(2014a)Xie, Song & Ciesielski] Xie, F., Song, A. & Ciesielski, V. (2014a) Genetic programming based activity recognition on a smartphone sensory data benchmark. *Proceedings of the 2014 IEEE Congress on Evolutionary Computation* (ed. C.A. Coello Coello), pp. 2917–2924, Beijing, China.
- [Xie *et al.*(2014b)Xie, Mei, Ernst, Li & Song] Xie, J., Mei, Y., Ernst, A., Li, X. & Song, A. (2014b) A genetic programming-based hyper-heuristic approach for storage location assignment problem. *Proceedings of the 2014 IEEE Congress on Evolutionary Computation* (ed. C.A. Coello Coello), pp. 3000–3007, Beijing, China.

- [Xu *et al.*(2014a)Xu, Huang & Ye] Xu, C., Huang, H. & Ye, S. (2014a) A differential evolution with replacement strategy for real-parameter numerical optimization. *Proceedings of the 2014 IEEE Congress on Evolutionary Computation* (ed. C.A. Coello Coello), pp. 1617–1624, Beijing, China.
- [Xu *et al.*(2014b)Xu, Xi & Wang] Xu, J., Xi, X. & Wang, S. (2014b) Optimization based on adaptive hinging hyperplanes and genetic algorithm. *Proceedings of the 2014 IEEE Congress on Evolutionary Computation* (ed. C.A. Coello Coello), pp. 2040–2046, Beijing, China.
- [Xu *et al.*(2014c)Xu, Lu, He, Ding & Ju] Xu, X., Lu, L., He, P., Ding, J. & Ju, Y. (2014c) Evolutionary semi-supervised learning with swarm intelligence. *Proceedings of the 2014 IEEE Congress on Evolutionary Computation* (ed. C.A. Coello Coello), pp. 1343–1350, Beijing, China.
- [Xu & Tang(2014)] Xu, X. & Tang, M. (2014) A new grouping genetic algorithm for the mapreduce placement problem in cloud computing. *Proceedings of the 2014 IEEE Congress on Evolutionary Computation* (ed. C.A. Coello Coello), pp. 1601–1608, Beijing, China.
- [Xue *et al.*(2014)Xue, Qin & Zhang] Xue, B., Qin, A.K. & Zhang, M. (2014) An archive based particle swarm optimisation for feature selection in classification. *Proceedings of the 2014 IEEE Congress on Evolutionary Computation* (ed. C.A. Coello Coello), pp. 3119–3126, Beijing, China.
- [Yan & Jiao(2014)] Yan, P. & Jiao, M. (2014) A chaotic particle swarm optimization algorithm for the jobshop scheduling problem. *Proceedings of the 2014 IEEE Congress on Evolutionary Computation* (ed. C.A. Coello Coello), pp. 218–222, Beijing, China.
- [Yang *et al.*(2014a)Yang, Cai, Li & Guan] Yang, M., Cai, Z., Li, C. & Guan, J. (2014a) An improved JADE algorithm for global optimization. *Proceedings of the 2014 IEEE Congress on Evolutionary Computation* (ed. C.A. Coello Coello), pp. 806–812, Beijing, China.
- [Yang *et al.*(2014b)Yang, Li & Chu] Yang, M., Li, R. & Chu, T. (2014b) A new method and application for controlling the steady-state probability distributions of probabilistic Boolean networks. *Proceedings of the 2014 IEEE Congress on Evolutionary Computation* (ed. C.A. Coello Coello), pp. 1490–1495, Beijing, China.
- [Yang *et al.*(2014c)Yang, Tang & Lozano] Yang, P., Tang, K. & Lozano, J.A. (2014c) Estimation of distribution algorithms based unmanned aerial vehicle path planner using a new coordinate. *Proceedings of the 2014 IEEE Congress on Evolutionary Computation* (ed. C.A. Coello Coello), pp. 1469–1476, Beijing, China.
- [Yang *et al.*(2014d)Yang, Li, Foley & Zhang] Yang, Z., Li, K., Foley, A. & Zhang, C. (2014d) A new self-learning TLBO algorithm for RBF neural modelling of batteries in electric vehicles. *Proceedings of the 2014 IEEE Congress on Evolutionary Computation* (ed. C.A. Coello Coello), pp. 2685–2691, Beijing, China.
- [Ye *et al.*(2014)Ye, Dai & Peng] Ye, S., Dai, G. & Peng, L. (2014) A hybrid adaptive coevolutionary differential evolution algorithm for large-scale optimization. *Proceedings of the 2014 IEEE Congress on Evolutionary Computation* (ed. C.A. Coello Coello), pp. 1277–1284, Beijing, China.
- [Yexing *et al.*(2014)Yexing, Xinye, Zhun & Qingfu] Yexing, L., Xinye, C., Zhun, F. & Qingfu, Z. (2014) An external archive guided multiobjective evolutionary approach based on decomposition for continuous optimization. *Proceedings of the 2014 IEEE Congress on Evolutionary Computation* (ed. C.A. Coello Coello), pp. 1124–1130, Beijing, China.
- [Yoshida & Yoshikawa(2014)] Yoshida, T. & Yoshikawa, T. (2014) A study on non-correspondence in spread between objective space and design variable space for trajectory designing optimization problem. *Proceedings of the 2014 IEEE Congress on Evolutionary Computation* (ed. C.A. Coello Coello), pp. 2444–2450, Beijing, China.
- [Yu *et al.*(2014a)Yu, Kelley, Zheng & Tan] Yu, C., Kelley, L., Zheng, S. & Tan, Y. (2014a) Fireworks algorithm with differential mutation for solving the CEC 2014 competition problems. *Proceedings of the 2014 IEEE Congress on Evolutionary Computation* (ed. C.A. Coello Coello), pp. 3238–3245, Beijing, China.

- [Yu & Liang(2014)] Yu, J.C. & Liang, Z.F. (2014) Evolutionary regional network modeling for efficient engineering optimization. *Proceedings of the 2014 IEEE Congress on Evolutionary Computation* (ed. C.A. Coello Coello), pp. 1258–1264, Beijing, China.
- [Yu et al.(2014b)Yu, Lam & Li] Yu, J.J., Lam, A.Y. & Li, V.O. (2014b) Chemical reaction optimization for the set covering problem. *Proceedings of the 2014 IEEE Congress on Evolutionary Computation* (ed. C.A. Coello Coello), pp. 512–519, Beijing, China.
- [Yu & Li(2014)] Yu, J.J. & Li, V.O. (2014) Base station switching problem for green cellular networks with social spider algorithm. *Proceedings of the 2014 IEEE Congress on Evolutionary Computation* (ed. C.A. Coello Coello), pp. 2338–2344, Beijing, China.
- [Yu et al.(2014c)Yu, Li & Lam] Yu, J.J., Li, V.O. & Lam, A.Y. (2014c) An inter-molecular adaptive collision scheme for chemical reaction optimization. *Proceedings of the 2014 IEEE Congress on Evolutionary Computation* (ed. C.A. Coello Coello), pp. 1998–2004, Beijing, China.
- [Yu et al.(2014d)Yu, Zuo & Murray] Yu, M., Zuo, X. & Murray, C.C. (2014d) A tabu search heuristic for the single row layout problem with shared clearances. *Proceedings of the 2014 IEEE Congress on Evolutionary Computation* (ed. C.A. Coello Coello), pp. 819–825, Beijing, China.
- [Yu & Lu(2014)] Yu, W. & Lu, L. (2014) A route planning strategy for the automatic garment cutter based on genetic algorithm. *Proceedings of the 2014 IEEE Congress on Evolutionary Computation* (ed. C.A. Coello Coello), pp. 379–386, Beijing, China.
- [Yu et al.(2014e)Yu, Ma & Zhang] Yu, Y., Ma, H. & Zhang, M. (2014e) A genetic programming approach to distributed QoS-aware web service composition. *Proceedings of the 2014 IEEE Congress on Evolutionary Computation* (ed. C.A. Coello Coello), pp. 1840–1846, Beijing, China.
- [Yu & Qian(2014)] Yu, Y. & Qian, H. (2014) The sampling-and-learning framework: A statistical view of evolutionary algorithms. *Proceedings of the 2014 IEEE Congress on Evolutionary Computation* (ed. C.A. Coello Coello), pp. 149–158, Beijing, China.
- [yu Du et al.(2014)yu Du, jian Lei & qiang Wu] yu Du, M., jian Lei, X. & qiang Wu, Z. (2014) A simplified glowworm swarm optimization algorithm. *Proceedings of the 2014 IEEE Congress on Evolutionary Computation* (ed. C.A. Coello Coello), pp. 2861–2868, Beijing, China.
- [yu Zheng et al.(2014)yu Zheng, Wang & yao Wang] yu Zheng, H., Wang, L. & yao Wang, S. (2014) A co-evolutionary teaching-learning-based optimization algorithm for stochastic RCPSP. *Proceedings of the 2014 IEEE Congress on Evolutionary Computation* (ed. C.A. Coello Coello), pp. 587–594, Beijing, China.
- [Yuan et al.(2014)Yuan, Chen & He] Yuan, Z., Chen, Y. & He, R. (2014) Agile earth observing satellites mission planning using genetic algorithm based on high quality initial solutions. *Proceedings of the 2014 IEEE Congress on Evolutionary Computation* (ed. C.A. Coello Coello), pp. 603–609, Beijing, China.
- [Yue et al.(2014)Yue, Zexuan & Zhen] Yue, C., Zexuan, Z. & Zhen, J. (2014) Feature extraction based on trimmed complex network representation for metabolomic data classification. *Proceedings of the 2014 IEEE Congress on Evolutionary Computation* (ed. C.A. Coello Coello), pp. 366–370, Beijing, China.
- [Yuen & Zhang(2014)] Yuen, S.Y. & Zhang, X. (2014) Multiobjective evolutionary algorithm portfolio: Choosing suitable algorithm for multiobjective optimization problem. *Proceedings of the 2014 IEEE Congress on Evolutionary Computation* (ed. C.A. Coello Coello), pp. 1967–1973, Beijing, China.
- [Yusoh & Tang(2014)] Yusoh, Z.M. & Tang, M. (2014) Composite SaaS scaling in cloud computing using a hybrid genetic algorithm. *Proceedings of the 2014 IEEE Congress on Evolutionary Computation* (ed. C.A. Coello Coello), pp. 1609–1616, Beijing, China.

- [Yuwono *et al.*(2014)Yuwono, Su, Moulton, Guo & Nguyen] Yuwono, M., Su, S.W., Moulton, B.D., Guo, Y. & Nguyen, H.T. (2014) An algorithm for scalable clustering: Ensemble rapid centroid estimation. *Proceedings of the 2014 IEEE Congress on Evolutionary Computation* (ed. C.A. Coello Coello), pp. 1250–1257, Beijing, China.
- [Zan & Jaros(2014)] Zan, D. & Jaros, J. (2014) Solving the multidimensional knapsack problem using a CUDA accelerated PSO. *Proceedings of the 2014 IEEE Congress on Evolutionary Computation* (ed. C.A. Coello Coello), pp. 2933–2939, Beijing, China.
- [Zeng & Sun(2014)] Zeng, Y. & Sun, Y. (2014) Comparison of multiobjective particle swarm optimization and evolutionary algorithms for optimal reactive power dispatch problem. *Proceedings of the 2014 IEEE Congress on Evolutionary Computation* (ed. C.A. Coello Coello), pp. 258–265, Beijing, China.
- [Zhan & Zhang(2014)] Zhan, Z.H. & Zhang, J. (2014) Adaptive particle swarm optimization with variable relocation for dynamic optimization problems. *Proceedings of the 2014 IEEE Congress on Evolutionary Computation* (ed. C.A. Coello Coello), pp. 1565–1570, Beijing, China.
- [Zhang *et al.*(2014a)Zhang, hua Duan, yan Sang, qing Li & Yan] Zhang, B., hua Duan, J., yan Sang, H., qing Li, J. & Yan, H. (2014a) A new penalty function method for constrained optimization using harmony search algorithm. *Proceedings of the 2014 IEEE Congress on Evolutionary Computation* (ed. C.A. Coello Coello), pp. 853–859, Beijing, China.
- [Zhang *et al.*(2014b)Zhang, Shafi & Abbass] Zhang, B., Shafi, K. & Abbass, H. (2014b) Online knowledge-based evolutionary multi-objective optimization. *Proceedings of the 2014 IEEE Congress on Evolutionary Computation* (ed. C.A. Coello Coello), pp. 2222–2229, Beijing, China.
- [Zhang *et al.*(2014c)Zhang, Zhang & Zheng] Zhang, B., Zhang, M.X. & Zheng, Y.J. (2014c) A hybrid biogeography-based optimization and fireworks algorithm. *Proceedings of the 2014 IEEE Congress on Evolutionary Computation* (ed. C.A. Coello Coello), pp. 3200–3206, Beijing, China.
- [Zhang & Li(2014)] Zhang, G. & Li, Y. (2014) Cooperative particle swarm optimizer with elimination mechanism for global optimization of multimodal problems. *Proceedings of the 2014 IEEE Congress on Evolutionary Computation* (ed. C.A. Coello Coello), pp. 210–217, Beijing, China.
- [Zhang *et al.*(2014d)Zhang, Song, Zhou & Gao] Zhang, H., Song, S., Zhou, A. & Gao, X.Z. (2014d) A clustering based multiobjective evolutionary algorithm. *Proceedings of the 2014 IEEE Congress on Evolutionary Computation* (ed. C.A. Coello Coello), pp. 723–730, Beijing, China.
- [Zhang & Maringer(2014)] Zhang, J. & Maringer, D. (2014) Two parameter update schemes for recurrent reinforcement learning. *Proceedings of the 2014 IEEE Congress on Evolutionary Computation* (ed. C.A. Coello Coello), pp. 1449–1453, Beijing, China.
- [Zhang *et al.*(2014e)Zhang, Zhang, Chu & Cao] Zhang, J., Zhang, C., Chu, T. & Cao, M. (2014e) Cooperation with potential leaders in evolutionary game study of networking agents. *Proceedings of the 2014 IEEE Congress on Evolutionary Computation* (ed. C.A. Coello Coello), pp. 918–923, Beijing, China.
- [Zhang *et al.*(2014f)Zhang, Zhu, Wang & Yao] Zhang, J., Zhu, X., Wang, W. & Yao, J. (2014f) A fast restarting particle swarm optimizer. *Proceedings of the 2014 IEEE Congress on Evolutionary Computation* (ed. C.A. Coello Coello), pp. 1351–1358, Beijing, China.
- [Zhang *et al.*(2014g)Zhang, Weise & Li] Zhang, K., Weise, T. & Li, J. (2014g) Fitness level based adaptive operator selection for cutting stock problems with contiguity. *Proceedings of the 2014 IEEE Congress on Evolutionary Computation* (ed. C.A. Coello Coello), pp. 2539–2546, Beijing, China.
- [Zhang & He(2014)] Zhang, L. & He, R. (2014) A globally diversified island model PGA for multimodal optimization. *Proceedings of the 2014 IEEE Congress on Evolutionary Computation* (ed. C.A. Coello Coello), pp. 2553–2561, Beijing, China.



- [Zhang *et al.*(2014h)Zhang, Gao & Zhang] Zhang, W., Gao, Y. & Zhang, C. (2014h) The enhanced vector of convergence for particle swarm optimization based on constrict factor. *Proceedings of the 2014 IEEE Congress on Evolutionary Computation* (ed. C.A. Coello Coello), pp. 1337–1342, Beijing, China.
- [Zhang *et al.*(2014i)Zhang, Dai, Peng & Wang] Zhang, Y., Dai, G., Peng, L. & Wang, M. (2014i) HMOEDA\_LLE: A hybrid multi-objective estimation of distribution algorithm combining locally linear embedding. *Proceedings of the 2014 IEEE Congress on Evolutionary Computation* (ed. C.A. Coello Coello), pp. 707–714, Beijing, China.
- [Zheng *et al.*(2014a)Zheng, Janecek, Li & Tan] Zheng, S., Janecek, A., Li, J. & Tan, Y. (2014a) Dynamic search in fireworks algorithm. *Proceedings of the 2014 IEEE Congress on Evolutionary Computation* (ed. C.A. Coello Coello), pp. 3222–3229, Beijing, China.
- [Zheng *et al.*(2014b)Zheng, Wang & Wang] Zheng, X., Wang, L. & Wang, S. (2014b) An enhanced non-dominated sorting based fruit fly optimization algorithm for solving environmental economic dispatch problem. *Proceedings of the 2014 IEEE Congress on Evolutionary Computation* (ed. C.A. Coello Coello), pp. 626–633, Beijing, China.
- [Zheng *et al.*(2014c)Zheng, Zhang & Cheng] Zheng, Y.J., Zhang, B. & Cheng, Z. (2014c) Hyper-heuristics with penalty parameter adaptation for constrained optimization. *Proceedings of the 2014 IEEE Congress on Evolutionary Computation* (ed. C.A. Coello Coello), pp. 1883–1889, Beijing, China.
- [Zheng *et al.*(2014d)Zheng, Li, Li & Tan] Zheng, Z., Li, J., Li, J. & Tan, Y. (2014d) Avoiding decoys in multiple targets searching problems using swarm robotics. *Proceedings of the 2014 IEEE Congress on Evolutionary Computation* (ed. C.A. Coello Coello), pp. 784–791, Beijing, China.
- [Zhou *et al.*(2014)Zhou, Peng & Yang] Zhou, X., Peng, W. & Yang, B. (2014) GEAS: A GA-ES-mixed algorithm for parameterized optimization problems - using CLS problem as an example. *Proceedings of the 2014 IEEE Congress on Evolutionary Computation* (ed. C.A. Coello Coello), pp. 888–894, Beijing, China.
- [Zhu *et al.*(2014a)Zhu, Deb & Kulkarni] Zhu, L., Deb, K. & Kulkarni, S. (2014a) Multi-scenario optimization using multi-criterion methods: A case study on Byzantine agreement problem. *Proceedings of the 2014 IEEE Congress on Evolutionary Computation* (ed. C.A. Coello Coello), pp. 2601–2608, Beijing, China.
- [Zhu *et al.*(2014b)Zhu, Luo & Yue] Zhu, T., Luo, W. & Yue, L. (2014b) Combining multipopulation evolutionary algorithms with memory for dynamic optimization problems. *Proceedings of the 2014 IEEE Congress on Evolutionary Computation* (ed. C.A. Coello Coello), pp. 2047–2054, Beijing, China.
- [Zhu *et al.*(2014c)Zhu, Luo & Zhu] Zhu, X., Luo, W. & Zhu, T. (2014c) An improved genetic algorithm for dynamic shortest path problems. *Proceedings of the 2014 IEEE Congress on Evolutionary Computation* (ed. C.A. Coello Coello), pp. 2093–2100, Beijing, China.
- [Zong *et al.*(2014)Zong, Xiong, Xu & Duan] Zong, X., Xiong, S., Xu, H. & Duan, P. (2014) Space-time simulation model based on particle swarm optimization algorithm for stadium evacuation. *Proceedings of the 2014 IEEE Congress on Evolutionary Computation* (ed. C.A. Coello Coello), pp. 194–201, Beijing, China.