

Список литературы

- [Aalto and Lampinen(2014)] **Aalto, J. and Lampinen, J.** (2014). A mutation and crossover adaptation mechanism for differential evolution algorithm. In C. A. Coello Coello, ed., *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*. Beijing, China. ISBN 0-7803-8515-2.
- [Abdul et al.(2014)Abdul, Xiaoying and Peter] **Abdul, W., Xiaoying, G. and Peter, A.** (2014). Multi-view clustering of web documents using multi-objective genetic algorithm. In C. A. Coello Coello, ed., *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*. Beijing, China. ISBN 0-7803-8515-2.
- [Acampora et al.(2014)Acampora, Ishibuchi and Vitiello] **Acampora, G., Ishibuchi, H. and Vitiello, A.** (2014). A comparison of multi-objective evolutionary algorithms for the ontology meta-matching problem. In C. A. Coello Coello, ed., *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*. Beijing, China. ISBN 0-7803-8515-2.
- [Adriaensen et al.(2014)Adriaensen, Brys and Nowe] **Adriaensen, S., Brys, T. and Nowe, A.** (2014). Designing reusable metaheuristic methods: A semi-automated approach. In C. A. Coello Coello, ed., *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*. Beijing, China. ISBN 0-7803-8515-2.
- [Agapitos et al.(2014)Agapitos, O'Neill and Brabazon] **Agapitos, A., O'Neill, M. and Brabazon, A.** (2014). Ensemble Bayesian model averaging in genetic programming. In C. A. Coello Coello, ed., *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*. Beijing, China. ISBN 0-7803-8515-2.
- [Ahmed et al.(2014)Ahmed, Zhang and Peng] **Ahmed, S., Zhang, M. and Peng, L.** (2014). A new GP-based wrapper feature construction approach to classification and biomarker identification. In C. A. Coello Coello, ed., *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*. Beijing, China. ISBN 0-7803-8515-2.
- [Akhmedova and Semenkin(2014)] **Akhmedova, S. and Semenkin, E.** (2014). Co-operation of biology related algorithms meta-heuristic in ANN-based classifiers design. In C. A. Coello Coello, ed., *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*. Beijing, China. ISBN 0-7803-8515-2.
- [Alam et al.(2014a)Alam, Ray and Anavatti] **Alam, K., Ray, T. and Anavatti, S. G.** (2014a). Practical application of an evolutionary algorithm for the design and construction of a six-inch submarine. In C. A. Coello Coello, ed., *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*. Beijing, China. ISBN 0-7803-8515-2.
- [Alam et al.(2014b)Alam, Dobbie, Koh and Riddle] **Alam, S., Dobbie, G., Koh, Y. S. and Riddle, P.** (2014b). Web bots detection using particle swarm optimization based clustering. In C. A. Coello Coello, ed., *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*. Beijing, China. ISBN 0-7803-8515-2.
- [Alanazi and Lehre(2014)] **Alanazi, F. and Lehre, P. K.** (2014). Runtime analysis of selection hyper-heuristics with classical learning mechanisms. In C. A. Coello Coello, ed., *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*. Beijing, China. ISBN 0-7803-8515-2.
- [Albukhanajer et al.(2014)Albukhanajer, Jin and Briffa] **Albukhanajer, W. A., Jin, Y. and Briffa, J. A.** (2014). Neural network ensembles for image identification using Pareto-optimal features. In C. A. Coello Coello, ed., *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*. Beijing, China. ISBN 0-7803-8515-2.
- [Alhindi and Zhang(2014)] **Alhindi, A. and Zhang, Q.** (2014). MOEA/D with tabu search for multiobjective permutation flow shop scheduling problems. In C. A. Coello Coello, ed., *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*. Beijing, China. ISBN 0-7803-8515-2.

- [Ali et al.(2014)Ali, Morghem, AlBadarneh, Al-Gharaibeh, Suganthan and Reynolds] **Ali, M., Morghem, A., AlBadarneh, J., Al-Gharaibeh, R., Suganthan, P. and Reynolds, R.** (2014). Cultural algorithms applied to the evolution of robotic soccer team tactics: A novel perspective. In C. A. Coello Coello, ed., *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*. Beijing, China. ISBN 0-7803-8515-2.
- [Alicino and Vasile(2014)] **Alicino, S. and Vasile, M.** (2014). An evolutionary approach to the solution of multi-objective min-max problems in evidence-based robust optimization. In C. A. Coello Coello, ed., *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*. Beijing, China. ISBN 0-7803-8515-2.
- [Alvares et al.(2014)Alvares, Buarque and Marwala] **Alvares, M., Buarque, F. and Marwala, T.** (2014). Application of computational intelligence for source code classification. In C. A. Coello Coello, ed., *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*. Beijing, China. ISBN 0-7803-8515-2.
- [Ameca-Alducin et al.(2014)Ameca-Alducin, Mezura-Montes and Cruz-Ramirez] **Ameca-Alducin, M.-Y., Mezura-Montes, E. and Cruz-Ramirez, N.** (2014). Differential evolution with combined variants for dynamic constrained optimization. In C. A. Coello Coello, ed., *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*. Beijing, China. ISBN 0-7803-8515-2.
- [Ameerudden and Rughooputh(2014)] **Ameerudden, M. R. and Rughooputh, H.** (2014). Smart hybrid genetic algorithms in the bandwidth optimization of a PIFA antenna. In C. A. Coello Coello, ed., *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*. Beijing, China. ISBN 0-7803-8515-2.
- [Amin et al.(2014)Amin, Tang, Ellejmi, Kirby and Abbass] **Amin, R., Tang, J., Ellejmi, M., Kirby, S. and Abbass, H. A.** (2014). Trading-off simulation fidelity and optimization accuracy in air-traffic experiments using differential evolution. In C. A. Coello Coello, ed., *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*. Beijing, China. ISBN 0-7803-8515-2.
- [Angelo et al.(2014)Angelo, Krempser and Barbosa] **Angelo, J., Krempser, E. and Barbosa, H.** (2014). Differential evolution assisted by a surrogate model for bilevel programming problems. In C. A. Coello Coello, ed., *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*. Beijing, China. ISBN 0-7803-8515-2.
- [Arana-Daniel et al.(2014)Arana-Daniel, Gallegos, Lopez-Franco and Alanis] **Arana-Daniel, N., Gallegos, A. A., Lopez-Franco, C. and Alanis, A. Y.** (2014). Smooth global and local path planning for mobile robot using particle swarm optimization, radial basis functions, splines and Bezier curves. In C. A. Coello Coello, ed., *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*. Beijing, China. ISBN 0-7803-8515-2.
- [Ashlock and Hingston(2014)] **Ashlock, D. and Hingston, P.** (2014). *Tego - a framework for adversarial planning. In C. A. Coello Coello, ed., *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*. Beijing, China. ISBN 0-7803-8515-2.
- [Azzouz et al.(2014)Azzouz, Bechikh and Said] **Azzouz, R., Bechikh, S. and Said, L. B.** (2014). A multiple reference point-based evolutionary algorithm for dynamic multi-objective optimization with undetectable changes. In C. A. Coello Coello, ed., *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*. Beijing, China. ISBN 0-7803-8515-2.
- [Bandaru et al.(2014)Bandaru, Ng and Deb] **Bandaru, S., Ng, A. and Deb, K.** (2014). On the performance of classification algorithms for learning Pareto-dominance relations. In C. A. Coello Coello, ed., *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*. Beijing, China. ISBN 0-7803-8515-2.
- [Bello-Orgaz and Camacho(2014)] **Bello-Orgaz, G. and Camacho, D.** (2014). Evolutionary clustering algorithm for community detection using graph-based information. In C. A. Coello Coello, ed., *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*. Beijing, China. ISBN 0-7803-8515-2.

- [Bennett et al.(2014)Bennett, Nguyen and Zhang] **Bennett, S., Nguyen, S. and Zhang, M.** (2014). A hybrid discrete particle swarm optimisation method for grid computation scheduling. In C. A. Coello Coello, ed., *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*. Beijing, China. ISBN 0-7803-8515-2.
- [Bidlo(2014)] **Bidlo, M.** (2014). Evolving multiplication as emergent behavior in cellular automata using conditionally matching rules. In C. A. Coello Coello, ed., *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*. Beijing, China. ISBN 0-7803-8515-2.
- [Biswas et al.(2014a)Biswas, Das, Suganthan and Coello] **Biswas, S., Das, S., Suganthan, P. N. and Coello, C. A. C.** (2014a). Evolutionary multiobjective optimization in dynamic environments: A set of novel benchmark functions. In C. A. Coello Coello, ed., *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*. Beijing, China. ISBN 0-7803-8515-2.
- [Biswas et al.(2014b)Biswas, Eita, Das and Vasilakos] **Biswas, S., Eita, M. A., Das, S. and Vasilakos, A. V.** (2014b). Evaluating the performance of group counseling optimizer on CEC 2014 problems for computational expensive optimization. In C. A. Coello Coello, ed., *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*. Beijing, China. ISBN 0-7803-8515-2.
- [Bolufe-Rohler and Chen(2014)] **Bolufe-Rohler, A. and Chen, S.** (2014). Extending minimum population search towards large scale global optimization. In C. A. Coello Coello, ed., *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*. Beijing, China. ISBN 0-7803-8515-2.
- [Bouaziz et al.(2014)Bouaziz, Alimi and Abraham] **Bouaziz, S., Alimi, A. M. and Abraham, A.** (2014). PSO-based update memory for improved harmony search algorithm to the evolution of FBBFNT' parameters. In C. A. Coello Coello, ed., *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*. Beijing, China. ISBN 0-7803-8515-2.
- [Bourennani et al.(2014)Bourennani, Rahnamayan and Naterer] **Bourennani, F., Rahnamayan, S. and Naterer, G. F.** (2014). Multi-objective differential evolution with leadership enhancement (MODEL). In C. A. Coello Coello, ed., *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*. Beijing, China. ISBN 0-7803-8515-2.
- [Brands et al.(2014)Brands, Wismans and van Berkum] **Brands, T., Wismans, L. and van Berkum, E.** (2014). Multi-objective transportation network design: Accelerating search by applying e-NSGAI. In C. A. Coello Coello, ed., *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*. Beijing, China. ISBN 0-7803-8515-2.
- [Brent et al.(2014)Brent, Thiruvady, Gomez-Iglesias and Garcia-Flores] **Brent, O., Thiruvady, D., Gomez-Iglesias, A. and Garcia-Flores, R.** (2014). A parallel Lagrangian-ACO heuristic for project scheduling. In C. A. Coello Coello, ed., *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*. Beijing, China. ISBN 0-7803-8515-2.
- [Bu et al.(2014)Bu, Luo and Zhu] **Bu, C., Luo, W. and Zhu, T.** (2014). Differential evolution with a species-based repair strategy for constrained optimization. In C. A. Coello Coello, ed., *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*. Beijing, China. ISBN 0-7803-8515-2.
- [Buck et al.(2014)Buck, Banerjee and Keller] **Buck, A., Banerjee, T. and Keller, J.** (2014). Evolving a fuzzy goal-driven strategy for the game of Geister. In C. A. Coello Coello, ed., *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*. Beijing, China. ISBN 0-7803-8515-2.
- [Bujok et al.(2014)Bujok, Tvrdik and Polakova] **Bujok, P., Tvrdik, J. and Polakova, R.** (2014). Differential evolution with rotation-invariant mutation and competing-strategies adaptation. In C. A. Coello Coello, ed., *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*. Beijing, China. ISBN 0-7803-8515-2.
- [Bulut and Tasgetiren(2014)] **Bulut, O. and Tasgetiren, M. F.** (2014). A discrete artificial bee colony algorithm for the economic lot scheduling problem with returns. In C. A. Coello Coello, ed., *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*. Beijing, China. ISBN 0-7803-8515-2.

- [Burattin et al.(2014)Burattin, Sperduti and van der Aalst] **Burattin, A., Sperduti, A. and van der Aalst, W. M. P.** (2014). Control-flow discovery from event streams. In C. A. Coello Coello, ed., *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*. Beijing, China. ISBN 0-7803-8515-2.
- [Burman et al.(2014)Burman, Das, Haque, Vasilakos and Chakraborti] **Burman, R., Das, S., Haque, Z., Vasilakos, A. V. and Chakraborti, S.** (2014). The monarchy driven optimization algorithm. In C. A. Coello Coello, ed., *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*. Beijing, China. ISBN 0-7803-8515-2.
- [Byrne et al.(2014)Byrne, Nicolau, Brabazon and O'Neill] **Byrne, J., Nicolau, M., Brabazon, A. and O'Neill, M.** (2014). An examination of synchronisation in artificial gene regulatory networks. In C. A. Coello Coello, ed., *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*. Beijing, China. ISBN 0-7803-8515-2.
- [Cai and Du(2014)] **Cai, Y. and Du, J.** (2014). Enhanced differential evolution with adaptive direction information. In C. A. Coello Coello, ed., *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*. Beijing, China. ISBN 0-7803-8515-2.
- [Cai et al.(2014)Cai, Wen and Liu] **Cai, Z., Wen, S. and Liu, L.** (2014). Distributed wireless sensor scheduling for multi-target tracking based on matrix-coded parallel genetic algorithm. In C. A. Coello Coello, ed., *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*. Beijing, China. ISBN 0-7803-8515-2.
- [Campbell et al.(2014)Campbell, Ciesielski and Trist] **Campbell, A., Ciesielski, V. and Trist, K.** (2014). A self organising map based method for understanding features associated with high aesthetic value evolved abstract images. In C. A. Coello Coello, ed., *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*. Beijing, China. ISBN 0-7803-8515-2.
- [Campos and Krohling(2014)] **Campos, M. and Krohling, R.** (2014). Bare bones particle swarm with scale mixtures of Gaussians for dynamic constrained optimization. In C. A. Coello Coello, ed., *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*. Beijing, China. ISBN 0-7803-8515-2.
- [Carvalho and Fernandes(2014)] **Carvalho, L. and Fernandes, M.** (2014). Multi-objective flexible job-shop scheduling problem with DIPSO: More diversity, greater efficiency. In C. A. Coello Coello, ed., *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*. Beijing, China. ISBN 0-7803-8515-2.
- [Ceberio et al.(2014)Ceberio, Irurozki, Mendiburu and Lozano] **Ceberio, J., Irurozki, E., Mendiburu, A. and Lozano, J. A.** (2014). Extending distance-based ranking models in estimation of distribution algorithms. In C. A. Coello Coello, ed., *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*. Beijing, China. ISBN 0-7803-8515-2.
- [Chaman-Garcia et al.(2014)Chaman-Garcia, Coello and Arias-Montano] **Chaman-Garcia, I., Coello, C. C. and Arias-Montano, A.** (2014). MOPSOhv: A new hypervolume-based multi-objective particle swarm optimizer. In C. A. Coello Coello, ed., *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*. Beijing, China. ISBN 0-7803-8515-2.
- [Chan et al.(2014)Chan, Rajakaruna, Rathnayake and Murray] **Chan, K. Y., Rajakaruna, N., Rathnayake, C. and Murray, I.** (2014). Image deblurring using a hybrid optimization algorithm. In C. A. Coello Coello, ed., *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*. Beijing, China. ISBN 0-7803-8515-2.
- [Chang and He(2014)] **Chang, P.-C. and He, X.** (2014). Macroscopic indeterminacy swarm optimization (MISO) algorithm for real-parameter search. In C. A. Coello Coello, ed., *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*. Beijing, China. ISBN 0-7803-8515-2.
- [Chatbri et al.(2014)Chatbri, Kwan and Kameyama] **Chatbri, H., Kwan, P. and Kameyama, K.** (2014). A modular approach for query spotting in document images and its optimization using genetic algorithms. In C. A. Coello Coello, ed., *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*. Beijing, China. ISBN 0-7803-8515-2.

- [Che and Reynolds(2014)] **Che, X. and Reynolds, R.** (2014). A social metrics based process model on complex social system. In C. A. Coello Coello, ed., *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*. Beijing, China. ISBN 0-7803-8515-2.
- [Chen et al.(2014a)Chen, Luo and Zhu] **Chen, G., Luo, W. and Zhu, T.** (2014a). Evolutionary clustering with differential evolution. In C. A. Coello Coello, ed., *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*. Beijing, China. ISBN 0-7803-8515-2.
- [Chen et al.(2014b)Chen, Liu, Zheng and Xie] **Chen, L., Liu, H.-L., Zheng, Z. and Xie, S.** (2014b). A evolutionary algorithm based on covariance matrix leaning and searching preference for solving CEC 2014 benchmark problems. In C. A. Coello Coello, ed., *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*. Beijing, China. ISBN 0-7803-8515-2.
- [Chen et al.(2014c)Chen, Zeng, Zeng, Li and Luo] **Chen, M.-R., Zeng, W., Zeng, G.-Q., Li, X. and Luo, J.-P.** (2014c). A novel artificial bee colony algorithm with integration of extremal optimization for numerical optimization problems. In C. A. Coello Coello, ed., *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*. Beijing, China. ISBN 0-7803-8515-2.
- [Chen and Chiang(2014)] **Chen, S.-W. and Chiang, T.-C.** (2014). Evolutionary many-objective optimization by MO-NSGA-II with enhanced mating selection. In C. A. Coello Coello, ed., *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*. Beijing, China. ISBN 0-7803-8515-2.
- [Chen et al.(2014d)Chen, Shang and Xu] **Chen, Y., Shang, Y. and Xu, D.** (2014d). Multi-dimensional scaling and MODELLER-based evolutionary algorithms for protein model refinement. In C. A. Coello Coello, ed., *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*. Beijing, China. ISBN 0-7803-8515-2.
- [Cheng et al.(2014a)Cheng, Pan and Lin] **Cheng, P., Pan, J.-S. and Lin, C.-W.** (2014a). Use EMO to protect sensitive knowledge in association rule mining by removing items. In C. A. Coello Coello, ed., *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*. Beijing, China. ISBN 0-7803-8515-2.
- [Cheng and Jin(2014)] **Cheng, R. and Jin, Y.** (2014). Demonstrator selection in a social learning particle swarm optimizer. In C. A. Coello Coello, ed., *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*. Beijing, China. ISBN 0-7803-8515-2.
- [Cheng et al.(2014b)Cheng, Shi, Qin, Ting and Bai] **Cheng, S., Shi, Y., Qin, Q., Ting, T. O. and Bai, R.** (2014b). Maintaining population diversity in brain storm optimization algorithm. In C. A. Coello Coello, ed., *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*. Beijing, China. ISBN 0-7803-8515-2.
- [Chotard et al.(2014)Chotard, Auger and Hansen] **Chotard, A., Auger, A. and Hansen, N.** (2014). Markov chain analysis of evolution strategies on a linear constraint optimization problem. In C. A. Coello Coello, ed., *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*. Beijing, China. ISBN 0-7803-8515-2.
- [Chou et al.(2014)Chou, Chia-Ling and Chang] **Chou, C.-H., Chia-Ling, H. and Chang, P.-C.** (2014). A RFID network design methodology for decision problem in health care. In C. A. Coello Coello, ed., *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*. Beijing, China. ISBN 0-7803-8515-2.
- [Chow and Yuen(2014)] **Chow, C. K. and Yuen, S. Y.** (2014). A dynamic history-driven evolutionary algorithm. In C. A. Coello Coello, ed., *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*. Beijing, China. ISBN 0-7803-8515-2.
- [Chowdhury et al.(2014)Chowdhury, Rakshit, Konar and Nagar] **Chowdhury, A., Rakshit, P., Konar, A. and Nagar, A.** (2014). A modified bat algorithm to predict protein-protein interaction network. In C. A. Coello Coello, ed., *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*. Beijing, China. ISBN 0-7803-8515-2.

- [Cleghorn and Engelbrecht(2014)] **Cleghorn, C. and Engelbrecht, A.** (2014). Particle swarm convergence: An empirical investigation. In C. A. Coello Coello, ed., *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*. Beijing, China. ISBN 0-7803-8515-2.
- [Cooper et al.(2014)Cooper, John, Lewis, Olden and Mumford] **Cooper, I., John, M., Lewis, R., Olden, A. and Mumford, C.** (2014). Optimising large scale public transport network design problems using mixed-mode parallel multi-objective evolutionary algorithms. In C. A. Coello Coello, ed., *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*. Beijing, China. ISBN 0-7803-8515-2.
- [Cota et al.(2014)Cota, Haddad, Souza and Coelho] **Cota, L. P., Haddad, M. N., Souza, M. J. F. and Coelho, V. N.** (2014). AIRP: A heuristic algorithm for solving the unrelated parallel machine scheduling problem. In C. A. Coello Coello, ed., *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*. Beijing, China. ISBN 0-7803-8515-2.
- [Cui et al.(2014)Cui, Cheng and Bai] **Cui, T., Cheng, S. and Bai, R.** (2014). A combinatorial algorithm for the cardinality constrained portfolio optimization problem. In C. A. Coello Coello, ed., *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*. Beijing, China. ISBN 0-7803-8515-2.
- [da Silva et al.(2014)da Silva, Ma and Zhang] **da Silva, A. S., Ma, H. and Zhang, M.** (2014). A graph-based particle swarm optimisation approach to QoS-aware web service composition and selection. In C. A. Coello Coello, ed., *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*. Beijing, China. ISBN 0-7803-8515-2.
- [Datta et al.(2014)Datta, Rakshit, Konar and Nagar] **Datta, S., Rakshit, P., Konar, A. and 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. In C. A. Coello Coello, ed., *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*. Beijing, China. ISBN 0-7803-8515-2.
- [Davendra et al.(2014)Davendra, Senkerik, Zelinka and Pluhacek] **Davendra, D., Senkerik, R., Zelinka, I. and Pluhacek, M.** (2014). Scatter search algorithm with chaos based stochasticity. In C. A. Coello Coello, ed., *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*. Beijing, China. ISBN 0-7803-8515-2.
- [Davila(2014)] **Davila, J.** (2014). Genotype coding, diversity, and dynamic environments: A study on an evolutionary neural network multi-agent system. In C. A. Coello Coello, ed., *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*. Beijing, China. ISBN 0-7803-8515-2.
- [Dawson and Stewart(2014)] **Dawson, L. and Stewart, I.** (2014). Accelerating ant colony optimization-based edge detection on the GPU using CUDA. In C. A. Coello Coello, ed., *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*. Beijing, China. ISBN 0-7803-8515-2.
- [de Vega et al.(2014)de Vega, Garcia-Valdez, Navarro, Cruz, Hernandez, Gallego and Albarran] **de Vega, F. F., Garcia-Valdez, M., Navarro, L., Cruz, C., Hernandez, P., Gallego, T. and Albarran, J. V.** (2014). When artists met Evospace-i. In C. A. Coello Coello, ed., *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*. Beijing, China. ISBN 0-7803-8515-2.
- [Debie et al.(2014)Debie, Shafi, Merrick and Lokan] **Debie, E., Shafi, K., Merrick, K. and Lokan, C.** (2014). An online evolutionary rule learning algorithm with incremental attribute discretization. In C. A. Coello Coello, ed., *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*. Beijing, China. ISBN 0-7803-8515-2.
- [Dhebar et al.(2014)Dhebar, Deb and Bandaru] **Dhebar, Y., Deb, K. and Bandaru, S.** (2014). Non-uniform mapping in real-coded genetic algorithms. In C. A. Coello Coello, ed., *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*. Beijing, China. ISBN 0-7803-8515-2.

- [Dick and Yao(2014)] **Dick, G. and Yao, X.** (2014). Model representation and cooperative coevolution for finite-state machine evolution. In C. A. Coello Coello, ed., *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*. Beijing, China. ISBN 0-7803-8515-2.
- [Ding et al.(2014a)] Ding, Chen, Xie, Chai and Zheng] **Ding, J., Chen, L., Xie, Q., Chai, T. and Zheng, X.** (2014a). Effect of pseudo gradient on differential evolutionary for global numerical optimization. In C. A. Coello Coello, ed., *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*. Beijing, China. ISBN 0-7803-8515-2.
- [Ding et al.(2014b)] Ding, Song, Zhang and Wu] **Ding, J., Song, S., Zhang, R. and Wu, C.** (2014b). Minimizing makespan for a no-wait flowshop using tabu mechanism improved iterated greedy algorithm. In C. A. Coello Coello, ed., *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*. Beijing, China. ISBN 0-7803-8515-2.
- [Ding and Tan(2014)] **Ding, K. and Tan, Y.** (2014). Comparison of random number generators in particle swarm optimization algorithm. In C. A. Coello Coello, ed., *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*. Beijing, China. ISBN 0-7803-8515-2.
- [Dong et al.(2014)] Dong, Tian, Tang, Sheng and Liu] **Dong, W., Tian, J., Tang, X., Sheng, K. and Liu, J.** (2014). Autonomous learning adaptation for particle swarm optimization. In C. A. Coello Coello, ed., *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*. Beijing, China. ISBN 0-7803-8515-2.
- [Dong and Zeng(2014)] **Dong, W. and Zeng, S.** (2014). Linear sparse arrays designed by dynamic constrained multi-objective evolutionary algorithm. In C. A. Coello Coello, ed., *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*. Beijing, China. ISBN 0-7803-8515-2.
- [Donne et al.(2014)] Donne, Nicolau, Bean and O'Neill] **Donne, S., Nicolau, M., Bean, C. and O'Neill, M.** (2014). Wave height quantification using land based seismic data with grammatical evolution. In C. A. Coello Coello, ed., *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*. Beijing, China. ISBN 0-7803-8515-2.
- [Dornberger et al.(2014)] Dornberger, Hanne, Ryter and Michael] **Dornberger, R., Hanne, T., Ryter, R. and Michael, S.** (2014). Optimization of the picking sequence of an automated storage and retrieval system (AS/RS). In C. A. Coello Coello, ed., *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*. Beijing, China. ISBN 0-7803-8515-2.
- [Du and Chang(2014)] **Du, X. and Chang, X.** (2014). Performance of AI algorithms for mining meaningful roles. In C. A. Coello Coello, ed., *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*. Beijing, China. ISBN 0-7803-8515-2.
- [Duan et al.(2014)] Duan, Xiong, Hu, Chen and Zhong] **Duan, P., Xiong, S., Hu, Z., Chen, Q. and Zhong, X.** (2014). Multi-objective optimization model based on steady degree for teaching building evacuation. In C. A. Coello Coello, ed., *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*. Beijing, China. ISBN 0-7803-8515-2.
- [Elsayed et al.(2014a)] Elsayed, Ray and Sarker] **Elsayed, S., Ray, T. and Sarker, R.** (2014a). A surrogate-assisted differential evolution algorithm with dynamic parameters selection for solving expensive optimization problems. In C. A. Coello Coello, ed., *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*. Beijing, China. ISBN 0-7803-8515-2.
- [Elsayed et al.(2014b)] Elsayed, Sarker and Essam] **Elsayed, S., Sarker, R. and Essam, D.** (2014b). United multi-operator evolutionary algorithms. In C. A. Coello Coello, ed., *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*. Beijing, China. ISBN 0-7803-8515-2.
- [Elsayed et al.(2014c)] Elsayed, Sarker, Essam and Hamza] **Elsayed, S., Sarker, R., Essam, D. and Hamza, N.** (2014c). Testing united multi-operator evolutionary algorithms on the CEC2014 real-parameter numerical optimization. In C. A. Coello Coello, ed., *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*. Beijing, China. ISBN 0-7803-8515-2.

- [Enaya and Deb(2014)] **Enaya, Y. and Deb, K.** (2014). Network path optimization under dynamic conditions. In C. A. Coello Coello, ed., *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*. Beijing, China. ISBN 0-7803-8515-2.
- [Erlich et al.(2014a)Erlich, Rueda and Wildenhues] **Erlich, I., Rueda, J. L. and Wildenhues, S.** (2014a). Evaluating the mean-variance mapping optimization on the IEEE-CEC 2014 test suite. In C. A. Coello Coello, ed., *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*. Beijing, China. ISBN 0-7803-8515-2.
- [Erlich et al.(2014b)Erlich, Rueda and Wildenhues] **Erlich, I., Rueda, J. L. and Wildenhues, S.** (2014b). Solving the IEEE-CEC 2014 expensive optimization test problems by using single-particle MVMO. In C. A. Coello Coello, ed., *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*. Beijing, China. ISBN 0-7803-8515-2.
- [Everitt et al.(2014)Everitt, Lattimore and Hutter] **Everitt, T., Lattimore, T. and Hutter, M.** (2014). Free lunch for optimisation under the universal distribution. In C. A. Coello Coello, ed., *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*. Beijing, China. ISBN 0-7803-8515-2.
- [Farzan and DeSouza(2014)] **Farzan, S. and DeSouza, G.** (2014). A parallel evolutionary solution for the inverse kinematics of generic robotic manipulators. In C. A. Coello Coello, ed., *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*. Beijing, China. ISBN 0-7803-8515-2.
- [Fatnassi et al.(2014)Fatnassi, Chebbi and Chaouachi] **Fatnassi, E., Chebbi, O. and Chaouachi, J.** (2014). A bee colony algorithm for routing guided automated battery-operated electric vehicles in personal rapid transit systems. In C. A. Coello Coello, ed., *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*. Beijing, China. ISBN 0-7803-8515-2.
- [Felipe et al.(2014)Felipe, Goldberg and Goldberg] **Felipe, D., Goldberg, E. F. G. and Goldberg, M. C.** (2014). Scientific algorithms for the car renter salesman problem. In C. A. Coello Coello, ed., *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*. Beijing, China. ISBN 0-7803-8515-2.
- [Feng et al.(2014)Feng, Tan and Lu] **Feng, S., Tan, S. and Lu, J.** (2014). Characterizing the impact of selection on the evolution of cooperation in complex networks. In C. A. Coello Coello, ed., *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*. Beijing, China. ISBN 0-7803-8515-2.
- [Fieldsend(2014)] **Fieldsend, J.** (2014). Running up those hills: Multi-modal search with the niching migratory multi-swarm optimiser. In C. A. Coello Coello, ed., *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*. Beijing, China. ISBN 0-7803-8515-2.
- [Fogel et al.(2014)Fogel, Liu, Salemi, Lamers and McGrath] **Fogel, G., Liu, E., Salemi, M., Lamers, S. and McGrath, M.** (2014). Evolved neural networks for HIV-1 co-receptor identification. In C. A. Coello Coello, ed., *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*. Beijing, China. ISBN 0-7803-8515-2.
- [Fong et al.(2014)Fong, Asmuni, Lam, McCollum and McMullan] **Fong, C. W., Asmuni, H., Lam, W. S., McCollum, B. and McMullan, P.** (2014). A novel hybrid approach for curriculum based course timetabling problem. In C. A. Coello Coello, ed., *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*. Beijing, China. ISBN 0-7803-8515-2.
- [Friedrich and Menzel(2014)] **Friedrich, T. and Menzel, S.** (2014). A cascaded evolutionary multi-objective optimization for solving the unbiased universal electric motor family problem. In C. A. Coello Coello, ed., *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*. Beijing, China. ISBN 0-7803-8515-2.
- [Fu et al.(2014a)Fu, Lewis, Sendhoff, Tang and Yao] **Fu, H., Lewis, P., Sendhoff, B., Tang, K. and Yao, X.** (2014a). What are dynamic optimization problems? In C. A. Coello Coello, ed., *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*. Beijing, China. ISBN 0-7803-8515-2.

- [Fu et al.(2014b)Fu, Johnston and Zhang] **Fu, W., Johnston, M. and Zhang, M.** (2014b). Unsupervised learning for edge detection using genetic programming. In C. A. Coello Coello, ed., *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*. Beijing, China. ISBN 0-7803-8515-2.
- [Gao et al.(2014a)Gao, Weise and Li] **Gao, C., Weise, T. and Li, J.** (2014a). A weighting-based local search heuristic algorithm for the set covering problem. In C. A. Coello Coello, ed., *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*. Beijing, China. ISBN 0-7803-8515-2.
- [Gao et al.(2014b)Gao, Liu, Dai and Geng] **Gao, S., Liu, Z., Dai, C. and Geng, X.** (2014b). Application of BPSO with GA in model-based fault diagnosis of traction substation. In C. A. Coello Coello, ed., *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*. Beijing, China. ISBN 0-7803-8515-2.
- [Garden and Engelbrecht(2014)] **Garden, R. and Engelbrecht, A.** (2014). Analysis and classification of optimisation benchmark functions and benchmark suites. In C. A. Coello Coello, ed., *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*. Beijing, China. ISBN 0-7803-8515-2.
- [Gaudesi et al.(2014)Gaudesi, Piccolo, Squillero and Tonda] **Gaudesi, M., Piccolo, E., Squillero, G. and Tonda, A.** (2014). TURAN: Evolving non-deterministic players for the iterated prisoner's dilemma. In C. A. Coello Coello, ed., *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*. Beijing, China. ISBN 0-7803-8515-2.
- [Gee and Tan(2014)] **Gee, S. B. and Tan, K. C.** (2014). Diversity preservation with hybrid recombination for evolutionary multiobjective optimization. In C. A. Coello Coello, ed., *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*. Beijing, China. ISBN 0-7803-8515-2.
- [Georgieva and Engelbrecht(2014)] **Georgieva, K. S. and Engelbrecht, A. P.** (2014). Cooperative DynDE for temporal data clustering. In C. A. Coello Coello, ed., *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*. Beijing, China. ISBN 0-7803-8515-2.
- [Glette and Kaufmann(2014)] **Glette, K. and Kaufmann, P.** (2014). Lookup table partial reconfiguration for an evolvable hardware classifier system. In C. A. Coello Coello, ed., *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*. Beijing, China. ISBN 0-7803-8515-2.
- [Gonzalez-Pardo and Camacho(2014)] **Gonzalez-Pardo, A. and Camacho, D.** (2014). A new CSP graph-based representation to resource-constrained project scheduling problem. In C. A. Coello Coello, ed., *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*. Beijing, China. ISBN 0-7803-8515-2.
- [Greenwood et al.(2014)Greenwood, Elsayed, Sarker and Abbass] **Greenwood, G., Elsayed, S., Sarker, R. and Abbass, H.** (2014). Online generation of trajectories for autonomous vehicles using a multi-agent system. In C. A. Coello Coello, ed., *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*. Beijing, China. ISBN 0-7803-8515-2.
- [Grobler et al.(2014)Grobler, Engelbrecht, Kendall and Yadavalli] **Grobler, J., Engelbrecht, A. P., Kendall, G. and Yadavalli, V.** (2014). Heuristic space diversity management in a meta-hyper-heuristic framework. In C. A. Coello Coello, ed., *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*. Beijing, China. ISBN 0-7803-8515-2.
- [Gu and Shi(2014)] **Gu, J. and Shi, X.** (2014). An adaptive PSO based on motivation mechanism and acceleration restraint operator. In C. A. Coello Coello, ed., *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*. Beijing, China. ISBN 0-7803-8515-2.
- [Gu et al.(2014)Gu, Yang and Dong] **Gu, L., Yang, P. and Dong, Y.** (2014). A dynamic-weighted collaborative filtering approach to address sparsity and adaptivity issues. In C. A. Coello Coello, ed., *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*. Beijing, China. ISBN 0-7803-8515-2.

- [Guo et al.(2014)Guo, Chen, Fu and Liu] **Guo, Y., Chen, M., Fu, H. and Liu, Y.** (2014). Find robust solutions over time by two-layer multi-objective optimization method. In C. A. Coello Coello, ed., *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*. Beijing, China. ISBN 0-7803-8515-2.
- [Hamza et al.(2014)Hamza, Sarker and Essam] **Hamza, N., Sarker, R. and Essam, D.** (2014). Differential evolution with a constraint consensus mutation for solving optimization problems. In C. A. Coello Coello, ed., *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*. Beijing, China. ISBN 0-7803-8515-2.
- [Handa(2014)] **Handa, H.** (2014). Deep boltzmann machine for evolutionary agents of Mario AI. In C. A. Coello Coello, ed., *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*. Beijing, China. ISBN 0-7803-8515-2.
- [Hardhienata et al.(2014)Hardhienata, Ugrinovskii and Merrick] **Hardhienata, M., Ugrinovskii, V. and Merrick, K.** (2014). Task allocation under communication constraints using motivated particle swarm optimization. In C. A. Coello Coello, ed., *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*. Beijing, China. ISBN 0-7803-8515-2.
- [Harrison et al.(2014)Harrison, Ombuki-Berman and Engelbrecht] **Harrison, K., Ombuki-Berman, B. and Engelbrecht, A.** (2014). Dynamic multi-objective optimization using charged vector evaluated particle swarm optimization. In C. A. Coello Coello, ed., *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*. Beijing, China. ISBN 0-7803-8515-2.
- [He et al.(2014a)He, Boris and Zhou] **He, J., Boris, M. and Zhou, Y.** (2014a). A theoretical assessment of solution quality in evolutionary algorithms for the knapsack problem. In C. A. Coello Coello, ed., *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*. Beijing, China. ISBN 0-7803-8515-2.
- [He et al.(2014b)He, Lu, Xu, Li, Qian and Zhang] **He, P., Lu, L., Xu, X., Li, K., Qian, H. and Zhang, W.** (2014b). Confidence-based ant random walks. In C. A. Coello Coello, ed., *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*. Beijing, China. ISBN 0-7803-8515-2.
- [He and Chan(2014)] **He, T. and Chan, K. C.** (2014). Evolutionary community detection in social networks. In C. A. Coello Coello, ed., *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*. Beijing, China. ISBN 0-7803-8515-2.
- [Helbig and Engelbrecht(2014)] **Helbig, M. and Engelbrecht, A.** (2014). Heterogeneous dynamic vector evaluated particle swarm optimisation for dynamic multi-objective optimisation. In C. A. Coello Coello, ed., *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*. Beijing, China. ISBN 0-7803-8515-2.
- [Htiouech and Bouamama(2014)] **Htiouech, S. and Bouamama, S.** (2014). A Lagrangian and surrogate information enhanced tabu search for the MMKP. In C. A. Coello Coello, ed., *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*. Beijing, China. ISBN 0-7803-8515-2.
- [Hu et al.(2014a)Hu, Yen and Zhang] **Hu, W., Yen, G. and Zhang, X.** (2014a). Sensitivity analysis of parallel cell coordinate system in many-objective particle swarm optimization. In C. A. Coello Coello, ed., *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*. Beijing, China. ISBN 0-7803-8515-2.
- [Hu and Leeson(2014)] **Hu, X.-B. and Leeson, M. S.** (2014). Genetic algorithm with spatial receding horizon control for the optimization of facility locations. In C. A. Coello Coello, ed., *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*. Beijing, China. ISBN 0-7803-8515-2.
- [Hu et al.(2014b)Hu, Wang and Leeson] **Hu, X.-B., Wang, M. and Leeson, M. S.** (2014b). Calculating the complete Pareto front for a special class of continuous multi-objective optimization problems. In C. A. Coello Coello, ed., *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*. Beijing, China. ISBN 0-7803-8515-2.

- [Hu et al.(2014c)Hu, Bao and Xiong] **Hu, Z., Bao, Y. and Xiong, T.** (2014c). Partial opposition-based adaptive differential evolution algorithms: Evaluation on the CEC 2014 benchmark set for real-parameter optimization. In C. A. Coello Coello, ed., *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*. Beijing, China. ISBN 0-7803-8515-2.
- [Hui and Ponnuthurai(2014)] **Hui, S. and Ponnuthurai, N. S.** (2014). Niching-based self-adaptive ensemble DE with MMTS for solving dynamic optimization problems. In C. A. Coello Coello, ed., *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*. Beijing, China. ISBN 0-7803-8515-2.
- [Hunt et al.(2014)Hunt, Johnston and Zhang] **Hunt, R., Johnston, M. and Zhang, M.** (2014). Evolving machine-specific dispatching rules for a two-machine job shop using genetic programming. In C. A. Coello Coello, ed., *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*. Beijing, China. ISBN 0-7803-8515-2.
- [Huo et al.(2014)Huo, Cai, Gong and Liu] **Huo, Y., Cai, Z., Gong, W. and Liu, Q.** (2014). A new adaptive kalman filter by combining evolutionary algorithm and fuzzy inference system. In C. A. Coello Coello, ed., *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*. Beijing, China. ISBN 0-7803-8515-2.
- [Ivan et al.(2014)Ivan, Jouni, Roman, Michal and Donald] **Ivan, Z., Jouni, L., Roman, S., Michal, P. and Donald, D.** (2014). Evolutionary algorithms dynamics and its hidden complex network structures. In C. A. Coello Coello, ed., *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*. Beijing, China. ISBN 0-7803-8515-2.
- [Jana et al.(2014)Jana, Das and Sil] **Jana, N. D., Das, S. and Sil, J.** (2014). Particle swarm optimization with population adaptation. In C. A. Coello Coello, ed., *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*. Beijing, China. ISBN 0-7803-8515-2.
- [Janecek et al.(2014)Janecek, Jordan and de Lima-Neto] **Janecek, A., Jordan, T. and de Lima-Neto, F. B.** (2014). Swarm/evolutionary intelligence for agent-based social simulation. In C. A. Coello Coello, ed., *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*. Beijing, China. ISBN 0-7803-8515-2.
- [Jariyatantiwait and Yen(2014)] **Jariyatantiwait, C. and Yen, G.** (2014). Fuzzy multiobjective differential evolution using performance metrics feedback. In C. A. Coello Coello, ed., *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*. Beijing, China. ISBN 0-7803-8515-2.
- [Jiang et al.(2014a)Jiang, Wang, Hei, Fei, Yang, Zou, Li and Cao] **Jiang, Q., Wang, L., Hei, X., Fei, R., Yang, D., Zou, F., Li, H. and Cao, Z.** (2014a). Optimal approximation of stable linear systems with a novel and efficient optimization algorithm. In C. A. Coello Coello, ed., *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*. Beijing, China. ISBN 0-7803-8515-2.
- [Jiang and Yang(2014)] **Jiang, S. and Yang, S.** (2014). An improved quantum-behaved particle swarm optimization based on linear interpolation. In C. A. Coello Coello, ed., *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*. Beijing, China. ISBN 0-7803-8515-2.
- [Jiang et al.(2014b)Jiang, Yang, Hao, Wang and He] **Jiang, Y., Yang, Z., Hao, Z., Wang, Y. and He, H.** (2014b). A cooperative honey bee mating algorithm and its application in multi-threshold image segmentation. In C. A. Coello Coello, ed., *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*. Beijing, China. ISBN 0-7803-8515-2.
- [Jin and Yao(2014)] **Jin, N. and Yao, X.** (2014). Heuristic optimization for software project management with impacts of team efficiency. In C. A. Coello Coello, ed., *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*. Beijing, China. ISBN 0-7803-8515-2.
- [Juan et al.(2014)Juan, Jose and Mariela] **Juan, T., Jose, A. and Mariela, C.** (2014). Cultural learning for multi-agent system and its application to fault management. In C. A. Coello Coello, ed., *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*. Beijing, China. ISBN 0-7803-8515-2.

- [Judeh et al.(2014)Judeh, Jayyousi, Acharya, Reynolds and Zhu] **Judeh, T., Jayyousi, T., Acharya, L., Reynolds, R. and Zhu, D.** (2014). GSCA: Reconstructing biological pathway topologies using a cultural algorithms approach. In C. A. Coello Coello, ed., *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*. Beijing, China. ISBN 0-7803-8515-2.
- [Karim and Mouhoub(2014)] **Karim, M. R. and Mouhoub, M.** (2014). Coevolutionary genetic algorithm for variable ordering in CSPs. In C. A. Coello Coello, ed., *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*. Beijing, China. ISBN 0-7803-8515-2.
- [Kaszkurewicz et al.(2014)Kaszkurewicz, Bhaya, Jayadeva and da Silva] **Kaszkurewicz, E., Bhaya, A., Jayadeva, J. and da Silva, J. M. M.** (2014). The coupled EigenAnt algorithm for shortest path problems. In C. A. Coello Coello, ed., *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*. Beijing, China. ISBN 0-7803-8515-2.
- [Kattan et al.(2014)Kattan, Kampouridis, Ong and Mehamdi] **Kattan, A., Kampouridis, M., Ong, Y.-S. and Mehamdi, K.** (2014). Transformation of input space using statistical moments: EA-based approach. In C. A. Coello Coello, ed., *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*. Beijing, China. ISBN 0-7803-8515-2.
- [Kazimipour et al.(2014a)Kazimipour, Li and Qin] **Kazimipour, B., Li, X. and Qin, A.** (2014a). Effects of population initialization on differential evolution for large scale optimization. In C. A. Coello Coello, ed., *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*. Beijing, China. ISBN 0-7803-8515-2.
- [Kazimipour et al.(2014b)Kazimipour, Li and Qin] **Kazimipour, B., Li, X. and Qin, A.** (2014b). A review of population initialization techniques for evolutionary algorithms. In C. A. Coello Coello, ed., *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*. Beijing, China. ISBN 0-7803-8515-2.
- [Kazimipour et al.(2014c)Kazimipour, Omidvar, Li and Qin] **Kazimipour, B., Omidvar, M. N., Li, X. and Qin, A.** (2014c). A novel hybridization of opposition-based learning and cooperative co-evolutionary for large-scale optimization. In C. A. Coello Coello, ed., *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*. Beijing, China. ISBN 0-7803-8515-2.
- [Ke(2014)] **Ke, L.** (2014). A cooperative approach between metaheuristic and branch-and-price for the team orienteering problem with time windows. In C. A. Coello Coello, ed., *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*. Beijing, China. ISBN 0-7803-8515-2.
- [Ki-Baek and Jong-Hwan(2014)] **Ki-Baek, L. and Jong-Hwan, K.** (2014). DMOPSO: Dual multi-objective particle swarm optimization. In C. A. Coello Coello, ed., *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*. Beijing, China. ISBN 0-7803-8515-2.
- [Kizilay et al.(2014)Kizilay, Tasgetiren, Bulut and Bostan] **Kizilay, D., Tasgetiren, M. F., Bulut, O. and Bostan, B.** (2014). A discrete artificial bee colony algorithm for the parallel machine scheduling problem in DYO painting company. In C. A. Coello Coello, ed., *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*. Beijing, China. ISBN 0-7803-8515-2.
- [Klazar and Engelbrecht(2014)] **Klazar, R. and Engelbrecht, A.** (2014). Parameter optimization by means of statistical quality guides in F-Race. In C. A. Coello Coello, ed., *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*. Beijing, China. ISBN 0-7803-8515-2.
- [Krawczyk et al.(2014)Krawczyk, Triguero, Garcia, Wozniak and Herrera] **Krawczyk, B., Triguero, I., Garcia, S., Wozniak, M. and Herrera, F.** (2014). A first attempt on evolutionary prototype reduction for nearest neighbor one-class classification. In C. A. Coello Coello, ed., *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*. Beijing, China. ISBN 0-7803-8515-2.
- [Kren and Neruda(2014)] **Kren, T. and Neruda, R.** (2014). Generating lambda term individuals in typed genetic programming using forgetful A*. In C. A. Coello Coello, ed., *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*. Beijing, China. ISBN 0-7803-8515-2.

- [Krityakierne et al.(2014)Krityakierne, Mueller and Shoemaker] **Krityakierne, T., Mueller, J. and Shoemaker, C.** (2014). SO-MODS: Optimization for high dimensional computationally expensive multi-modal functions with surrogate search. In C. A. Coello Coello, ed., *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*. Beijing, China. ISBN 0-7803-8515-2.
- [Kromer et al.(2014)Kromer, Zelinka and Snasel] **Kromer, P., Zelinka, I. and Snasel, V.** (2014). Can deterministic chaos improve differential evolution for the linear ordering problem? In C. A. Coello Coello, ed., *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*. Beijing, China. ISBN 0-7803-8515-2.
- [Ksibi et al.(2014)Ksibi, Ammar and Amar] **Ksibi, A., Ammar, A. B. and Amar, C. B.** (2014). Enhancing relevance re-ranking using nature-inspired meta-heuristic optimization algorithms. In C. A. Coello Coello, ed., *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*. Beijing, China. ISBN 0-7803-8515-2.
- [Kuang et al.(2014a)Kuang, Jin, Xu and Zhang] **Kuang, F., Jin, Z., Xu, W. and Zhang, S.** (2014a). A novel chaotic artificial bee colony algorithm based on tent map. In C. A. Coello Coello, ed., *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*. Beijing, China. ISBN 0-7803-8515-2.
- [Kuang et al.(2014b)Kuang, Zhao, Wang, Li, Yu and Li] **Kuang, L., Zhao, Z., Wang, F., Li, Y., Yu, F. and Li, Z.** (2014b). A differential evolution box-covering algorithm for fractal dimension on complex networks. In C. A. Coello Coello, ed., *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*. Beijing, China. ISBN 0-7803-8515-2.
- [Lara-Cabrera et al.(2014)Lara-Cabrera, Cotta and Fernandez-Leiva] **Lara-Cabrera, R., Cotta, C. and Fernandez-Leiva, A. J.** (2014). A self-adaptive evolutionary approach to the evolution of aesthetic maps for a RTS game. In C. A. Coello Coello, ed., *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*. Beijing, China. ISBN 0-7803-8515-2.
- [Lattarulo et al.(2014)Lattarulo, Lindley and Parks] **Lattarulo, V., Lindley, B. A. and Parks, G. T.** (2014). Application of the MOAA for the optimization of CORAIL assemblies for nuclear reactors. In C. A. Coello Coello, ed., *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*. Beijing, China. ISBN 0-7803-8515-2.
- [Lauri and Koukam(2014)] **Lauri, F. and Koukam, A.** (2014). Hybrid ACO/EA algorithms applied to the multi-agent patrolling problem. In C. A. Coello Coello, ed., *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*. Beijing, China. ISBN 0-7803-8515-2.
- [Lee et al.(2014)Lee, Luo, Zambetta and Li] **Lee, G., Luo, M., Zambetta, F. and Li, X.** (2014). Learning a Super Mario controller from examples of human play. In C. A. Coello Coello, ed., *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*. Beijing, China. ISBN 0-7803-8515-2.
- [Lee and Hsiao(2014)] **Lee, P.-M. and Hsiao, T.-C.** (2014). Applying LCS to affective images classification in spatial-frequency domain. In C. A. Coello Coello, ed., *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*. Beijing, China. ISBN 0-7803-8515-2.
- [Lee and Myung(2014)] **Lee, S.-M. and Myung, H.** (2014). A cooperative coevolutionary approach to multi-robot formation control. In C. A. Coello Coello, ed., *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*. Beijing, China. ISBN 0-7803-8515-2.
- [Leite et al.(2014)Leite, Silva, Claro and Sousa] **Leite, V., Silva, C., Claro, J. and Sousa, J. M. C.** (2014). Optimization of power flow with energy storage using genetic algorithms. In C. A. Coello Coello, ed., *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*. Beijing, China. ISBN 0-7803-8515-2.
- [Leung et al.(2014)Leung, Ng, Cheung and Lui] **Leung, M. F., Ng, S. C., Cheung, C. C. and Lui, A. K.** (2014). A new strategy for finding good local guides in MOPSO. In C. A. Coello Coello, ed., *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*. Beijing, China. ISBN 0-7803-8515-2.

- [Li et al.(2014a)Li, Chiong and Gong] **Li, B., Chiong, R. and Gong, L.** (2014a). Search-evasion path planning for submarines using the artificial bee colony algorithm. In C. A. Coello Coello, ed., *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*. Beijing, China. ISBN 0-7803-8515-2.
- [Li et al.(2014b)Li, Li, Tang and Yao] **Li, B., Li, J., Tang, K. and Yao, X.** (2014b). An improved two archive algorithm for many-objective optimization. In C. A. Coello Coello, ed., *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*. Beijing, China. ISBN 0-7803-8515-2.
- [Li et al.(2014c)Li, Zhang and Li] **Li, F., Zhang, Y. and Li, H.** (2014c). Quantum bacterial foraging optimization algorithm. In C. A. Coello Coello, ed., *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*. Beijing, China. ISBN 0-7803-8515-2.
- [Li et al.(2014d)Li, Zhang and Deng] **Li, H., Zhang, Q. and Deng, J.** (2014d). Multiobjective test problems with complicated Pareto fronts: Difficulties in degeneracy. In C. A. Coello Coello, ed., *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*. Beijing, China. ISBN 0-7803-8515-2.
- [Li and Zhang(2014)] **Li, J. and Zhang, J.** (2014). Using estimation of distribution algorithm to coordinate decentralized learning automata for meta-task scheduling. In C. A. Coello Coello, ed., *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*. Beijing, China. ISBN 0-7803-8515-2.
- [Li et al.(2014e)Li, Zheng and Tan] **Li, J., Zheng, S. and Tan, Y.** (2014e). Adaptive fireworks algorithm. In C. A. Coello Coello, ed., *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*. Beijing, China. ISBN 0-7803-8515-2.
- [Li et al.(2014f)Li, Ji, Wu, He and Wu] **Li, M., Ji, T., Wu, P., He, S. and Wu, Q.** (2014f). Protein folding estimation using paired-bacteria optimizer. In C. A. Coello Coello, ed., *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*. Beijing, China. ISBN 0-7803-8515-2.
- [Li and O’Riordan(2014)] **Li, M. and O’Riordan, C.** (2014). Graph centrality measures and the robustness of cooperation. In C. A. Coello Coello, ed., *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*. Beijing, China. ISBN 0-7803-8515-2.
- [Li et al.(2014g)Li, Yang and Liu] **Li, M., Yang, S. and Liu, X.** (2014g). A test problem for visual investigation of high-dimensional multi-objective search. In C. A. Coello Coello, ed., *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*. Beijing, China. ISBN 0-7803-8515-2.
- [Li et al.(2014h)Li, He and Hirasawa] **Li, X., He, W. and Hirasawa, K.** (2014h). Adaptive genetic network programming. In C. A. Coello Coello, ed., *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*. Beijing, China. ISBN 0-7803-8515-2.
- [Li et al.(2014i)Li, He and Hirasawa] **Li, X., He, W. and Hirasawa, K.** (2014i). Creating stock trading rules using graph-based estimation of distribution algorithm. In C. A. Coello Coello, ed., *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*. Beijing, China. ISBN 0-7803-8515-2.
- [Li et al.(2014j)Li, He and Hirasawa] **Li, X., He, W. and Hirasawa, K.** (2014j). Generalized classifier system: Evolving classifiers with cyclic conditions. In C. A. Coello Coello, ed., *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*. Beijing, China. ISBN 0-7803-8515-2.
- [Li et al.(2014k)Li, He and Hirasawa] **Li, X., He, W. and Hirasawa, K.** (2014k). Learning and evolution of genetic network programming with knowledge transfer. In C. A. Coello Coello, ed., *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*. Beijing, China. ISBN 0-7803-8515-2.
- [Li et al.(2014l)Li, Tian, Jiao and Zhang] **Li, Y., Tian, X., Jiao, L. and Zhang, X.** (2014l). Biclustering of gene expression data using particle swarm optimization integrated with pattern-driven local search. In C. A. Coello Coello, ed., *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*. Beijing, China. ISBN 0-7803-8515-2.

- [Li et al.(2014m)Li, Zhou and Zhang] **Li, Y., Zhou, A. and Zhang, G.** (2014m). An MOEA/D with multiple differential evolution mutation operators. In C. A. Coello Coello, ed., *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*. Beijing, China. ISBN 0-7803-8515-2.
- [Li et al.(2014n)Li, Shang, Liang and Qu] **Li, Z., Shang, Z., Liang, J. J. and Qu, B. Y.** (2014n). Differential evolution strategy based on the constraint of fitness values classification. In C. A. Coello Coello, ed., *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*. Beijing, China. ISBN 0-7803-8515-2.
- [Li et al.(2014o)Li, Shang, Liang and Qu] **Li, Z., Shang, Z., Liang, J. J. and Qu, B. Y.** (2014o). Feature selection based on manifold-learning with dynamic constraint-handling differential evolution. In C. A. Coello Coello, ed., *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*. Beijing, China. ISBN 0-7803-8515-2.
- [Li et al.(2014p)Li, Zhang, Wang and Yao] **Li, Z., Zhang, J., Wang, W. and Yao, J.** (2014p). Dimensions cooperate by Euclidean metric in particle swarm optimization. In C. A. Coello Coello, ed., *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*. Beijing, China. ISBN 0-7803-8515-2.
- [Liang et al.(2014a)Liang, Qu, Song and Shang] **Liang, J. J., Qu, B. Y., Song, H. and Shang, Z. G.** (2014a). Memetic differential evolution based on fitness Euclidean-distance ratio. In C. A. Coello Coello, ed., *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*. Beijing, China. ISBN 0-7803-8515-2.
- [Liang et al.(2014b)Liang, Zheng, Qu and Song] **Liang, J. J., Zheng, B., Qu, B. Y. and Song, H.** (2014b). Multi-objective differential evolution algorithm based on fast sorting and a novel constraints handling technique. In C. A. Coello Coello, ed., *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*. Beijing, China. ISBN 0-7803-8515-2.
- [Liang et al.(2014c)Liang, Chen and Nien] **Liang, Y.-C., Chen, H.-L. and Nien, Y.-H.** (2014c). Artificial bee colony for workflow scheduling. In C. A. Coello Coello, ed., *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*. Beijing, China. ISBN 0-7803-8515-2.
- [Liao et al.(2014a)Liao, Zhou and Zhang] **Liao, Q., Zhou, A. and Zhang, G.** (2014a). A locally weighted metamodel for pre-selection in evolutionary optimization. In C. A. Coello Coello, ed., *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*. Beijing, China. ISBN 0-7803-8515-2.
- [Liao et al.(2014b)Liao, Chien and Ting] **Liao, X.-L., Chien, C.-H. and Ting, C.-K.** (2014b). A genetic algorithm for the minimum latency pickup and delivery problem. In C. A. Coello Coello, ed., *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*. Beijing, China. ISBN 0-7803-8515-2.
- [Lin et al.(2014a)Lin, Wang, Li and Tan] **Lin, K., Wang, X., Li, X. and Tan, Y.** (2014a). Self-adaptive morphable model based multi-view non-cooperative 3D face reconstruction. In C. A. Coello Coello, ed., *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*. Beijing, China. ISBN 0-7803-8515-2.
- [Lin et al.(2014b)Lin, Mitsuo and Yan] **Lin, L., Mitsuo, G. and Yan, L.** (2014b). A hybrid EA for high-dimensional subspace clustering problem. In C. A. Coello Coello, ed., *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*. Beijing, China. ISBN 0-7803-8515-2.
- [Ling et al.(2014)Ling, San, Lam and Nguyen] **Ling, S. H., San, P. P., Lam, H. K. and Nguyen, H.** (2014). Non-invasive detection of hypoglycemic episodes in type1 diabetes using intelligent hybrid rough neural system. In C. A. Coello Coello, ed., *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*. Beijing, China. ISBN 0-7803-8515-2.
- [Liu et al.(2014a)Liu, Chen, Zhang, Gielen and Grout] **Liu, B., Chen, Q., Zhang, Q., Gielen, G. and Grout, V.** (2014a). Behavioral study of the surrogate model-aware evolutionary search framework. In C. A. Coello Coello, ed., *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*. Beijing, China. ISBN 0-7803-8515-2.

- [Liu and Li(2014)] **Liu, C. and Li, B.** (2014). Memetic algorithm with adaptive local search depth for large scale global optimization. In C. A. Coello Coello, ed., *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*. Beijing, China. ISBN 0-7803-8515-2.
- [Liu et al.(2014b)Liu, Wu, Wang, Rahnamayan and Deng] **Liu, H., Wu, Z., Wang, H., Rahnamayan, S. and Deng, C.** (2014b). Improved differential evolution with adaptive opposition strategy. In C. A. Coello Coello, ed., *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*. Beijing, China. ISBN 0-7803-8515-2.
- [Liu et al.(2014c)Liu, Zhou, Wu and Yuan] **Liu, H., Zhou, J., Wu, X. and Yuan, P.** (2014c). Optimization algorithm for rectangle packing problem based on varied-factor genetic algorithm and lowest front-line strategy. In C. A. Coello Coello, ed., *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*. Beijing, China. ISBN 0-7803-8515-2.
- [Liu et al.(2014d)Liu, gen Cai and Wang] **Liu, J., gen Cai, B. and Wang, J.** (2014d). Particle swarm optimization for integrity monitoring in BDS/DR based railway train positioning. In C. A. Coello Coello, ed., *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*. Beijing, China. ISBN 0-7803-8515-2.
- [Liu et al.(2014e)Liu, He and Hu] **Liu, J., He, Y. and Hu, Y.** (2014e). Regression ensemble with PSO algorithms based fuzzy integral. In C. A. Coello Coello, ed., *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*. Beijing, China. ISBN 0-7803-8515-2.
- [Liu et al.(2014f)Liu, Zheng and Tan] **Liu, J., Zheng, S. and Tan, Y.** (2014f). Analysis on global convergence and time complexity of fireworks algorithm. In C. A. Coello Coello, ed., *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*. Beijing, China. ISBN 0-7803-8515-2.
- [Liu et al.(2014g)Liu, Singh and Ray] **Liu, M., Singh, H. and Ray, T.** (2014g). A benchmark generator for dynamic capacitated arc routing problems. In C. A. Coello Coello, ed., *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*. Beijing, China. ISBN 0-7803-8515-2.
- [Liu et al.(2014h)Liu, Singh and Ray] **Liu, M., Singh, H. and Ray, T.** (2014h). A memetic algorithm with a new split scheme for solving dynamic capacitated arc routing problems. In C. A. Coello Coello, ed., *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*. Beijing, China. ISBN 0-7803-8515-2.
- [Liu et al.(2014i)Liu, Zheng, Wang, Liu and Jiang] **Liu, M., Zheng, J., Wang, J., Liu, Y. and Jiang, L.** (2014i). An adaptive diversity introduction method for dynamic evolutionary multiobjective optimization. In C. A. Coello Coello, ed., *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*. Beijing, China. ISBN 0-7803-8515-2.
- [Liu et al.(2014j)Liu, Niu and Jiao] **Liu, R., Niu, X. and Jiao, L.** (2014j). A multi-swarm particle swarm optimization with orthogonal learning for locating and tracking multiple optima in dynamic environments. In C. A. Coello Coello, ed., *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*. Beijing, China. ISBN 0-7803-8515-2.
- [Liu et al.(2014k)Liu, Sun, Zeng and Jin] **Liu, T., Sun, C., Zeng, J. and Jin, Y.** (2014k). Similarity- and reliability-assisted fitness estimation for particle swarm optimization of expensive problems. In C. A. Coello Coello, ed., *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*. Beijing, China. ISBN 0-7803-8515-2.
- [Liu and Lin(2014)] **Liu, W.-Y. and Lin, C.-C.** (2014). A cultural algorithm for spatial forest harvest scheduling. In C. A. Coello Coello, ed., *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*. Beijing, China. ISBN 0-7803-8515-2.
- [Lopez-Herrejon et al.(2014)Lopez-Herrejon, Ferrer, Chicano, Egyed and Alba] **Lopez-Herrejon, R. E., Ferrer, J., Chicano, F., Egyed, A. and Alba, E.** (2014). Comparative analysis of classical multi-objective evolutionary algorithms and seeding strategies for pairwise testing of software product lines. In C. A. Coello Coello, ed., *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*. Beijing, China. ISBN 0-7803-8515-2.

- [Lotif(2014)] **Lotif, M.** (2014). Visualizing the population of meta-heuristics during the optimization process using self-organizing maps. In C. A. Coello Coello, ed., *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*. Beijing, China. ISBN 0-7803-8515-2.
- [Low et al.(2014)Low, Weerdt, Wynn, ter Hofstede, van der Aalst and vanden Broucke] **Low, W., Weerdt, J. D., Wynn, M., ter Hofstede, A., van der Aalst, W. and vanden Broucke, S.** (2014). Perturbing event logs to identify cost reduction opportunities: A genetic algorithm-based approach. In C. A. Coello Coello, ed., *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*. Beijing, China. ISBN 0-7803-8515-2.
- [Luo et al.(2014a)Luo, Shimoyama and Obayashi] **Luo, C., Shimoyama, K. and Obayashi, S.** (2014a). Kriging model based many-objective optimization with efficient calculation of expected hypervolume improvement. In C. A. Coello Coello, ed., *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*. Beijing, China. ISBN 0-7803-8515-2.
- [Luo et al.(2014b)Luo, Huang and Hu] **Luo, Y., Huang, S. and Hu, J.** (2014b). A niching two-layered differential evolution with self-adaptive control parameters. In C. A. Coello Coello, ed., *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*. Beijing, China. ISBN 0-7803-8515-2.
- [Ma et al.(2014a)Ma, Zhong and Zhang] **Ma, A., Zhong, Y. and Zhang, L.** (2014a). Remote sensing imagery clustering using an adaptive bi-objective memetic method. In C. A. Coello Coello, ed., *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*. Beijing, China. ISBN 0-7803-8515-2.
- [Ma et al.(2014b)Ma, Lei, Wang and Jiao] **Ma, J., Lei, Y., Wang, Z. and Jiao, L.** (2014b). A memetic algorithm based on immune multi-objective optimization for flexible job-shop scheduling problems. In C. A. Coello Coello, ed., *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*. Beijing, China. ISBN 0-7803-8515-2.
- [Ma et al.(2014c)Ma, Zhang, Wang and Yao] **Ma, J., Zhang, J., Wang, W. and Yao, J.** (2014c). Phase transition particle swarm optimization. In C. A. Coello Coello, ed., *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*. Beijing, China. ISBN 0-7803-8515-2.
- [Ma et al.(2014d)Ma, Zuo, Zeng, Liang and Jiao] **Ma, W., Zuo, Y., Zeng, J., Liang, S. and Jiao, L.** (2014d). A memetic algorithm for solving flexible job-shop scheduling problems. In C. A. Coello Coello, ed., *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*. Beijing, China. ISBN 0-7803-8515-2.
- [Madureira et al.(2014)Madureira, Cunha and Pereira] **Madureira, A., Cunha, B. and Pereira, I.** (2014). Cooperation mechanism for distributed resource scheduling through artificial bee colony based self-organized scheduling system. In C. A. Coello Coello, ed., *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*. Beijing, China. ISBN 0-7803-8515-2.
- [Mahdavi et al.(2014)Mahdavi, Shiri and Rahnamayan] **Mahdavi, S., Shiri, M. E. and Rahnamayan, S.** (2014). Cooperative co-evolution with a new decomposition method for large-scale optimization. In C. A. Coello Coello, ed., *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*. Beijing, China. ISBN 0-7803-8515-2.
- [Maia et al.(2014)Maia, de Castro and Caminhas] **Maia, R., de Castro, L. and Caminhas, W.** (2014). Real-parameter optimization with OptBees. In C. A. Coello Coello, ed., *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*. Beijing, China. ISBN 0-7803-8515-2.
- [Malan and Engelbrecht(2014)] **Malan, K. and Engelbrecht, A.** (2014). A progressive random walk algorithm for sampling continuous fitness landscapes. In C. A. Coello Coello, ed., *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*. Beijing, China. ISBN 0-7803-8515-2.
- [Mallipeddi et al.(2014)Mallipeddi, Wu, Lee and Nagaratnam] **Mallipeddi, R., Wu, G., Lee, M. and Nagaratnam, S. P.** (2014). Gaussian adaptation based parameter adaptation for differential evolution. In C. A. Coello Coello, ed., *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*. Beijing, China. ISBN 0-7803-8515-2.

- [Manfrini et al.(2014)Manfrini, Barbosa and Bernadino] **Manfrini, F., Barbosa, H. and Bernadino, H.** (2014). Optimization of combinational logic circuits through decomposition of truth table and evolution of sub-circuits. In C. A. Coello Coello, ed., *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*. Beijing, China. ISBN 0-7803-8515-2.
- [Marchetti et al.(2014)Marchetti, Manca and Zelinka] **Marchetti, L., Manca, V. and Zelinka, I.** (2014). On the inference of deterministic chaos: Evolutionary algorithm and metabolic P system approaches. In C. A. Coello Coello, ed., *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*. Beijing, China. ISBN 0-7803-8515-2.
- [Mario et al.(2014)Mario, Navarro and Martinoli] **Mario, E. D., Navarro, I. and Martinoli, A.** (2014). Analysis of fitness noise in particle swarm optimization: From robotic learning to benchmark functions. In C. A. Coello Coello, ed., *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*. Beijing, China. ISBN 0-7803-8515-2.
- [Martinez and Coello(2014)] **Martinez, S. Z. and Coello, C. A. C.** (2014). A multi-objective evolutionary algorithm based on decomposition for constrained multi-objective optimization. In C. A. Coello Coello, ed., *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*. Beijing, China. ISBN 0-7803-8515-2.
- [Martins et al.(2014)Martins, Nobre, Delbem, Marques and Cardoso] **Martins, L., Nobre, R., Delbem, A., Marques, E. and Cardoso, J.** (2014). A clustering-based approach for exploring sequences of compiler optimizations. In C. A. Coello Coello, ed., *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*. Beijing, China. ISBN 0-7803-8515-2.
- [Masi and Vasile(2014)] **Masi, L. and Vasile, M.** (2014). A multidirectional Physarum solver for the automated design of space trajectories. In C. A. Coello Coello, ed., *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*. Beijing, China. ISBN 0-7803-8515-2.
- [Masuda et al.(2014)Masuda, Nojima and Ishibuchi] **Masuda, H., Nojima, Y. and Ishibuchi, H.** (2014). Visual examination of the behavior of EMO algorithms for many-objective optimization with many decision variables. In C. A. Coello Coello, ed., *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*. Beijing, China. ISBN 0-7803-8515-2.
- [Matei et al.(2014)Matei, Contrás and Pop] **Matei, O., Contrás, D. and Pop, P.** (2014). Applying evolutionary computation for evolving ontologies. In C. A. Coello Coello, ed., *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*. Beijing, China. ISBN 0-7803-8515-2.
- [Mauser et al.(2014)Mauser, Dorscheid, Allerding and Schmeck] **Mauser, I., Dorscheid, M., Allerding, F. and Schmeck, H.** (2014). Encodings for evolutionary algorithms in smart buildings with energy management systems. In C. A. Coello Coello, ed., *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*. Beijing, China. ISBN 0-7803-8515-2.
- [Mavrovouniotis and Yang(2014a)] **Mavrovouniotis, M. and Yang, S.** (2014a). Elitism-based immigrants for ant colony optimization in dynamic environments: Adapting the replacement rate. In C. A. Coello Coello, ed., *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*. Beijing, China. ISBN 0-7803-8515-2.
- [Mavrovouniotis and Yang(2014b)] **Mavrovouniotis, M. and Yang, S.** (2014b). Interactive and non-interactive hybrid immigrants schemes for ant algorithms in dynamic environments. In C. A. Coello Coello, ed., *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*. Beijing, China. ISBN 0-7803-8515-2.
- [Mayo and Sun(2014)] **Mayo, M. and Sun, Q.** (2014). Evolving artificial datasets to improve interpretable classifiers. In C. A. Coello Coello, ed., *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*. Beijing, China. ISBN 0-7803-8515-2.
- [McNabb and Seppi(2014)] **McNabb, A. and Seppi, K.** (2014). Serial PSO results are irrelevant in a multi-core parallel world. In C. A. Coello Coello, ed., *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*. Beijing, China. ISBN 0-7803-8515-2.

- [Mei et al.(2014)Mei, Li and Yao] **Mei, Y., Li, X. and Yao, X.** (2014). Variable neighborhood decomposition for large scale capacitated arc routing problem. In C. A. Coello Coello, ed., *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*. Beijing, China. ISBN 0-7803-8515-2.
- [Menchaca-Mendez and Coello(2014)] **Menchaca-Mendez, A. and Coello, C. A. C.** (2014). MD-MOEA : A new MOEA based on the maximin fitness function and Euclidean distances between solutions. In C. A. Coello Coello, ed., *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*. Beijing, China. ISBN 0-7803-8515-2.
- [Menendez et al.(2014a)Menendez, Barrero and Camacho] **Menendez, H. D., Barrero, D. F. and Camacho, D.** (2014a). A co-evolutionary multi-objective approach for a k-adaptive graph-based clustering algorithm. In C. A. Coello Coello, ed., *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*. Beijing, China. ISBN 0-7803-8515-2.
- [Menendez et al.(2014b)Menendez, Plaza and Camacho] **Menendez, H. D., Plaza, L. and Camacho, D.** (2014b). Combining graph connectivity and genetic clustering to improve biomedical summarization. In C. A. Coello Coello, ed., *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*. Beijing, China. ISBN 0-7803-8515-2.
- [Menezes et al.(2014)Menezes, Goldberg and Goldberg] **Menezes, M., Goldberg, M. and Goldberg, E.** (2014). A memetic algorithm for the prize collecting traveling car renter problem. In C. A. Coello Coello, ed., *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*. Beijing, China. ISBN 0-7803-8515-2.
- [Mesa et al.(2014)Mesa, Velasquez and Jaramillo] **Mesa, E., Velasquez, J. D. and Jaramillo, P.** (2014). A new self-adaptive PSO based on the identification of planar regions. In C. A. Coello Coello, ed., *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*. Beijing, China. ISBN 0-7803-8515-2.
- [Metlicka and Davendra(2014)] **Metlicka, M. and Davendra, D.** (2014). Chaos-driven discrete artificial bee colony. In C. A. Coello Coello, ed., *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*. Beijing, China. ISBN 0-7803-8515-2.
- [ming Cheung and Gu(2014)] **ming Cheung, Y. and Gu, F.** (2014). Online objective reduction for many-objective optimization problems. In C. A. Coello Coello, ed., *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*. Beijing, China. ISBN 0-7803-8515-2.
- [Minisci and Vasile(2014)] **Minisci, E. and Vasile, M.** (2014). Adaptive inflationary differential evolution. In C. A. Coello Coello, ed., *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*. Beijing, China. ISBN 0-7803-8515-2.
- [Mohammadi et al.(2014)Mohammadi, Omidvar, Li and Deb] **Mohammadi, A., Omidvar, M. N., Li, X. and Deb, K.** (2014). Integrating user preferences and decomposition methods for many-objective optimization. In C. A. Coello Coello, ed., *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*. Beijing, China. ISBN 0-7803-8515-2.
- [Molina et al.(2014)Molina, Lacroix and Herrera] **Molina, D., Lacroix, B. and Herrera, F.** (2014). Influence of regions on the memetic algorithm for the special session on real-parameter single objective optimisation. In C. A. Coello Coello, ed., *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*. Beijing, China. ISBN 0-7803-8515-2.
- [Montgomery et al.(2014)Montgomery, Chen and Gonzalez-Fernandez] **Montgomery, J., Chen, S. and Gonzalez-Fernandez, Y.** (2014). Identifying and exploiting the scale of a search space in differential evolution. In C. A. Coello Coello, ed., *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*. Beijing, China. ISBN 0-7803-8515-2.
- [Moshaiov and Abramovich(2014)] **Moshaiov, A. and Abramovich, O.** (2014). Is MO-CMA-ES superior to NSGA-II for the evolution of multi-objective neuro-controllers? In C. A. Coello Coello, ed., *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*. Beijing, China. ISBN 0-7803-8515-2.

- [Moshaiiov and Tal(2014)] **Moshaiiov, A. and Tal, A.** (2014). Family bootstrapping: A genetic transfer learning approach for onsetting the evolution for a set of related robotic tasks. In C. A. Coello Coello, ed., *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*. Beijing, China. ISBN 0-7803-8515-2.
- [Mu et al.(2014a)Mu, Xie, Liu and Jiao] **Mu, C., Xie, J., Liu, R. and Jiao, L.** (2014a). A memetic algorithm using local structural information for detecting community structure in complex networks. In C. A. Coello Coello, ed., *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*. Beijing, China. ISBN 0-7803-8515-2.
- [Mu et al.(2014b)Mu, Zhang and Jiao] **Mu, C., Zhang, J. and Jiao, L.** (2014b). An intelligent ant colony optimization for community detection in complex networks. In C. A. Coello Coello, ed., *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*. Beijing, China. ISBN 0-7803-8515-2.
- [Naqvi et al.(2014)Naqvi, Browne and Hollitt] **Naqvi, S. S., Browne, W. N. and Hollitt, C.** (2014). Genetic algorithms based feature combination for salient object detection, for autonomously identified image domain types. In C. A. Coello Coello, ed., *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*. Beijing, China. ISBN 0-7803-8515-2.
- [Nguyen et al.(2014a)Nguyen, Xue, Liu and Zhang] **Nguyen, B. H., Xue, B., Liu, I. and Zhang, M.** (2014a). Filter based backward elimination in wrapper based PSO for feature selection in classification. In C. A. Coello Coello, ed., *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*. Beijing, China. ISBN 0-7803-8515-2.
- [Nguyen et al.(2014b)Nguyen, Zhang and Johnston] **Nguyen, S., Zhang, M. and Johnston, M.** (2014b). A sequential genetic programming method to learn forward construction heuristics for order acceptance and scheduling. In C. A. Coello Coello, ed., *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*. Beijing, China. ISBN 0-7803-8515-2.
- [Nguyen et al.(2014c)Nguyen, Nguyen and Thawonmas] **Nguyen, T., Nguyen, K. and Thawonmas, R.** (2014c). Integrating fuzzy integral and heuristic search for unit micromanagement in RTS games. In C. A. Coello Coello, ed., *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*. Beijing, China. ISBN 0-7803-8515-2.
- [Nguyen et al.(2014d)Nguyen, Liew, Tran, Pham and Nguyen] **Nguyen, T. T., Liew, A. W.-C., Tran, M. T., Pham, X. C. and Nguyen, M. P.** (2014d). A novel genetic algorithm approach for simultaneous feature and classifier selection in multi classifier system. In C. A. Coello Coello, ed., *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*. Beijing, China. ISBN 0-7803-8515-2.
- [Ni et al.(2014)Ni, Cao and Yin] **Ni, Q., Cao, C. and Yin, X.** (2014). A new dynamic probabilistic particle swarm optimization with dynamic random population topology. In C. A. Coello Coello, ed., *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*. Beijing, China. ISBN 0-7803-8515-2.
- [Nishiyama and Iba(2014)] **Nishiyama, M. and Iba, H.** (2014). Applying conversion matrix to robots for imitating motion using genetic algorithms. In C. A. Coello Coello, ed., *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*. Beijing, China. ISBN 0-7803-8515-2.
- [Niu and Bi(2014)] **Niu, B. and Bi, Y.** (2014). Binary bacterial foraging optimization for solving 0/1 knapsack problem. In C. A. Coello Coello, ed., *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*. Beijing, China. ISBN 0-7803-8515-2.
- [Niu et al.(2014)Niu, Xie, Duan and Tan] **Niu, B., Xie, T., Duan, Q. and Tan, L.** (2014). Particle swarm optimization for integrated yard truck scheduling and storage allocation problem. In C. A. Coello Coello, ed., *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*. Beijing, China. ISBN 0-7803-8515-2.

- [Nobile et al.(2014)Nobile, Citrollo, Cazzaniga, Besozzi and Mauri] **Nobile, M. S., Citrollo, A. G., Cazzaniga, P., Besozzi, D. and Mauri, G.** (2014). A memetic hybrid method for the molecular distance geometry problem with incomplete information. In C. A. Coello Coello, ed., *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*. Beijing, China. ISBN 0-7803-8515-2.
- [Oh and Jin(2014)] **Oh, H. and Jin, Y.** (2014). Evolving hierarchical gene regulatory networks for morphogenetic pattern formation of swarm robotics. In C. A. Coello Coello, ed., *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*. Beijing, China. ISBN 0-7803-8515-2.
- [Omidvar et al.(2014)Omidvar, Mei and Li] **Omidvar, M. N., Mei, Y. and Li, X.** (2014). Effective decomposition of large-scale separable continuous functions for cooperative co-evolutionary algorithms. In C. A. Coello Coello, ed., *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*. Beijing, China. ISBN 0-7803-8515-2.
- [O'Neill et al.(2014)O'Neill, Nicolau and Agapitos] **O'Neill, M., Nicolau, M. and Agapitos, A.** (2014). Experiments in program synthesis with grammatical evolution: A focus on integer sorting. In C. A. Coello Coello, ed., *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*. Beijing, China. ISBN 0-7803-8515-2.
- [Pandiyani(2014)] **Pandiyani, M.** (2014). Soft computing techniques based optimal tuning of virtual feedback PID controller for chemical tank reactor. In C. A. Coello Coello, ed., *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*. Beijing, China. ISBN 0-7803-8515-2.
- [Pang and Coghil(2014)] **Pang, W. and Coghil, G.** (2014). An immune network approach to learning qualitative models of biological pathways. In C. A. Coello Coello, ed., *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*. Beijing, China. ISBN 0-7803-8515-2.
- [Pascoal et al.(2014)Pascoal, Camilo-Junior, Silva and Rosa] **Pascoal, L. M. L., Camilo-Junior, C. G., Silva, E. Q. and Rosa, T. C.** (2014). A social-evolutionary approach to compose a similarity function used on event recommendation. In C. A. Coello Coello, ed., *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*. Beijing, China. ISBN 0-7803-8515-2.
- [Pat(2014)] **Pat, A.** (2014). Ant colony optimization and hypergraph covering problems. In C. A. Coello Coello, ed., *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*. Beijing, China. ISBN 0-7803-8515-2.
- [Peng et al.(2014a)Peng, Lei and Liu] **Peng, X., Lei, X. and Liu, K.** (2014a). Compensate information from multimodal dynamic landscapes: An anti-pathology cooperative coevolutionary algorithm. In C. A. Coello Coello, ed., *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*. Beijing, China. ISBN 0-7803-8515-2.
- [Peng et al.(2014b)Peng, Zheng and Zou] **Peng, Z., Zheng, J. and Zou, J.** (2014b). A population diversity maintaining strategy based on dynamic environment evolutionary model for dynamic multiobjective optimization. In C. A. Coello Coello, ed., *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*. Beijing, China. ISBN 0-7803-8515-2.
- [Pereira et al.(2014)Pereira, Roisenberg and Neto] **Pereira, M., Roisenberg, M. and Neto, G.** (2014). A topological niching covariance matrix adaptation for multimodal optimization. In C. A. Coello Coello, ed., *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*. Beijing, China. ISBN 0-7803-8515-2.
- [Perez et al.(2014)Perez, Powley, Whitehouse, Samothrakis, Lucas and Cowling] **Perez, D., Powley, E., Whitehouse, D., Samothrakis, S., Lucas, S. and Cowling, P.** (2014). The 2013 multi-objective physical travelling salesman problem competition. In C. A. Coello Coello, ed., *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*. Beijing, China. ISBN 0-7803-8515-2.
- [Peterson(2014)] **Peterson, L.** (2014). Evolutionary algorithms applied to likelihood function maximization during Poisson, logistic, and Cox proportional hazards regression analysis. In C. A. Coello Coello, ed., *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*. Beijing, China. ISBN 0-7803-8515-2.

- [Philippe et al.(2014)Philippe, Remi and Michal] **Philippe, P., Remi, M. and Michal, V.** (2014). Bandits attack function optimization. In C. A. Coello Coello, ed., *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*. Beijing, China. ISBN 0-7803-8515-2.
- [Pilát and Neruda(2014)] **Pilát, M. and Neruda, R.** (2014). The effect of different local search algorithms on the performance of multi-objective optimizers. In C. A. Coello Coello, ed., *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*. Beijing, China. ISBN 0-7803-8515-2.
- [Plagianakos(2014)] **Plagianakos, V.** (2014). Unsupervised clustering and multi-optima evolutionary search. In C. A. Coello Coello, ed., *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*. Beijing, China. ISBN 0-7803-8515-2.
- [Polakova et al.(2014)Polakova, Tvrdik and Bujok] **Polakova, R., Tvrdik, J. and Bujok, P.** (2014). Controlled restart in differential evolution applied to CEC2014 benchmark functions. In C. A. Coello Coello, ed., *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*. Beijing, China. ISBN 0-7803-8515-2.
- [Poole et al.(2014a)Poole, Allen and Rendall] **Poole, D., Allen, C. and Rendall, T.** (2014a). Analysis of constraint handling methods for the gravitational search algorithm. In C. A. Coello Coello, ed., *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*. Beijing, China. ISBN 0-7803-8515-2.
- [Poole et al.(2014b)Poole, Allen and Rendall] **Poole, D., Allen, C. and Rendall, T.** (2014b). Constraint handling in agent-based optimization by independent sub-swarms. In C. A. Coello Coello, ed., *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*. Beijing, China. ISBN 0-7803-8515-2.
- [Pop and Chira(2014)] **Pop, P. and Chira, C.** (2014). A hybrid approach based on genetic algorithms for solving the clustered vehicle routing problem. In C. A. Coello Coello, ed., *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*. Beijing, China. ISBN 0-7803-8515-2.
- [Poursoltan and Neumann(2014)] **Poursoltan, S. and Neumann, F.** (2014). A feature-based analysis on the impact of linear constraints for e-constrained differential evolution. In C. A. Coello Coello, ed., *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*. Beijing, China. ISBN 0-7803-8515-2.
- [Pretorius et al.(2014)Pretorius, du Plessis and Gonsalves] **Pretorius, C., du Plessis, M. and Gonsalves, J.** (2014). A comparison of neural networks and physics models as motion simulators for simple robotic evolution. In C. A. Coello Coello, ed., *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*. Beijing, China. ISBN 0-7803-8515-2.
- [Purshouse et al.(2014)Purshouse, Deb, Mansor, Mostaghim and Wang] **Purshouse, R. C., Deb, K., Mansor, M. M., Mostaghim, S. and Wang, R.** (2014). A review of hybrid evolutionary multiple criteria decision making methods. In C. A. Coello Coello, ed., *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*. Beijing, China. ISBN 0-7803-8515-2.
- [Qian et al.(2014)Qian, Huang, Gao and Wang] **Qian, X., Huang, M., Gao, T. and Wang, X.** (2014). An improved ant colony algorithm for winner determination in multi-attribute combinatorial reverse auction. In C. A. Coello Coello, ed., *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*. Beijing, China. ISBN 0-7803-8515-2.
- [Qin et al.(2014)Qin, Tang, Pan and Xia] **Qin, A. K., Tang, K., Pan, H. and Xia, S.** (2014). Self-adaptive differential evolution with local search chains for real-parameter single-objective optimization. In C. A. Coello Coello, ed., *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*. Beijing, China. ISBN 0-7803-8515-2.
- [Qiu et al.(2014)Qiu, Xu and Tan] **Qiu, X., Xu, J. and Tan, K. C.** (2014). A novel differential evolution (DE) algorithm for multi-objective optimization. In C. A. Coello Coello, ed., *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*. Beijing, China. ISBN 0-7803-8515-2.

- [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. In C. A. Coello Coello, ed., *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*. Beijing, China. ISBN 0-7803-8515-2.
- [Rahman et al.(2014)Rahman, Sarker, Essam and Chang] **Rahman, H. F., Sarker, R., Essam, D. and Chang, G.** (2014). A memetic algorithm for solving permutation flow shop problems with known and unknown machine breakdowns. In C. A. Coello Coello, ed., *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*. Beijing, China. ISBN 0-7803-8515-2.
- [Rahnamayan et al.(2014)Rahnamayan, Jesuthasan, Bourennani, Salehinejad and Naterer] **Rahnamayan, S., Jesuthasan, J., Bourennani, F., Salehinejad, H. and Naterer, G. F.** (2014). Computing opposition by involving entire population. In C. A. Coello Coello, ed., *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*. Beijing, China. ISBN 0-7803-8515-2.
- [Rakshit et al.(2014)Rakshit, Konar and Nagar] **Rakshit, P., Konar, A. and Nagar, A.** (2014). Artificial bee colony induced multi-objective optimization in presence of noise. In C. A. Coello Coello, ed., *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*. Beijing, China. ISBN 0-7803-8515-2.
- [Reid et al.(2014)Reid, Malan and Engelbrecht] **Reid, S., Malan, K. and Engelbrecht, A.** (2014). Carry trade portfolio optimization using particle swarm optimization. In C. A. Coello Coello, ed., *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*. Beijing, China. ISBN 0-7803-8515-2.
- [Reps et al.(2014)Reps, Aickelin and Garibaldi] **Reps, J., Aickelin, U. and Garibaldi, J.** (2014). Tuning a multiple classifier system for side effect discovery using genetic algorithms. In C. A. Coello Coello, ed., *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*. Beijing, China. ISBN 0-7803-8515-2.
- [reza Bonyadi and Michalewicz(2014)] **reza Bonyadi, M. and Michalewicz, Z.** (2014). On the edge of feasibility: A case study of the particle swarm optimizer. In C. A. Coello Coello, ed., *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*. Beijing, China. ISBN 0-7803-8515-2.
- [Richter(2014)] **Richter, H.** (2014). Codynamic fitness landscapes of coevolutionary minimal substrates. In C. A. Coello Coello, ed., *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*. Beijing, China. ISBN 0-7803-8515-2.
- [Rosales-Perez et al.(2014)Rosales-Perez, Escalante, Coello, Gonzalez and Reyes-Garcia] **Rosales-Perez, A., Escalante, H. J., Coello, C. A. C., Gonzalez, J. A. and Reyes-Garcia, C. A.** (2014). An evolutionary multi-objective approach for prototype generation. In C. A. Coello Coello, ed., *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*. Beijing, China. ISBN 0-7803-8515-2.
- [Ruello et al.(2014)Ruello, Grimaccia, Mussetta and Zich] **Ruello, M., Grimaccia, F., Mussetta, M. and Zich, R. E.** (2014). Black-hole PSO and SNO for electromagnetic optimization. In C. A. Coello Coello, ed., *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*. Beijing, China. ISBN 0-7803-8515-2.
- [Runkler and Bezdek(2014)] **Runkler, T. and Bezdek, J.** (2014). Multidimensional scaling with multiswarming. In C. A. Coello Coello, ed., *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*. Beijing, China. ISBN 0-7803-8515-2.
- [Sabar and Kendall(2014a)] **Sabar, N. R. and Kendall, G.** (2014a). Aircraft landing problem using hybrid differential evolution and simple descent algorithm. In C. A. Coello Coello, ed., *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*. Beijing, China. ISBN 0-7803-8515-2.

- [Sabar and Kendall(2014b)] **Sabar, N. R. and Kendall, G.** (2014b). Using harmony search with multiple pitch adjustment operators for the portfolio selection problem. In C. A. Coello Coello, ed., *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*. Beijing, China. ISBN 0-7803-8515-2.
- [Salehinejad et al.(2014a)]Salehinejad, Rahnamayan and Tizhoosh] **Salehinejad, H., Rahnamayan, S. and Tizhoosh, H. R.** (2014a). Micro-differential evolution with vectorized random mutation factor. In C. A. Coello Coello, ed., *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*. Beijing, China. ISBN 0-7803-8515-2.
- [Salehinejad et al.(2014b)]Salehinejad, Rahnamayan and Tizhoosh] **Salehinejad, H., Rahnamayan, S. and Tizhoosh, H. R.** (2014b). Toward using type-II opposition in optimization. In C. A. Coello Coello, ed., *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*. Beijing, China. ISBN 0-7803-8515-2.
- [Santu et al.(2014)]Santu, Rahman, Islam and Murase] **Santu, S. K. K., Rahman, M. M., Islam, M. M. and Murase, K.** (2014). Towards better generalization in Pittsburgh learning classifier systems. In C. A. Coello Coello, ed., *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*. Beijing, China. ISBN 0-7803-8515-2.
- [Sayed et al.(2014)]Sayed, Essam, Sarker and Elsayed] **Sayed, E., Essam, D., Sarker, R. and Elsayed, S.** (2014). A decomposition-based algorithm for dynamic economic dispatch problems. In C. A. Coello Coello, ed., *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*. Beijing, China. ISBN 0-7803-8515-2.
- [Scardapane et al.(2014)]Scardapane, Comminiello, Scarpiniti and Uncini] **Scardapane, S., Comminiello, D., Scarpiniti, M. and Uncini, A.** (2014). GP-based kernel evolution for L2-regularization networks. In C. A. Coello Coello, ed., *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*. Beijing, China. ISBN 0-7803-8515-2.
- [Schaefer et al.(2014)]Schaefer, Krawczyk, Doshi and Nakashima] **Schaefer, G., Krawczyk, B., Doshi, N. and Nakashima, T.** (2014). Cost-sensitive texture classification. In C. A. Coello Coello, ed., *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*. Beijing, China. ISBN 0-7803-8515-2.
- [Scheepers and Engelbrecht(2014)] **Scheepers, C. and Engelbrecht, A.** (2014). Competitive coevolutionary training of simple soccer agents from zero knowledge. In C. A. Coello Coello, ed., *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*. Beijing, China. ISBN 0-7803-8515-2.
- [Schlueter and Munetomo(2014)] **Schlueter, M. and Munetomo, M.** (2014). Parallelization for space trajectory optimization. In C. A. Coello Coello, ed., *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*. Beijing, China. ISBN 0-7803-8515-2.
- [Segredo et al.(2014)]Segredo, Segura and Leon] **Segredo, E., Segura, C. and Leon, C.** (2014). Control of numeric and symbolic parameters with a hybrid scheme based on fuzzy logic and hyper-heuristics. In C. A. Coello Coello, ed., *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*. Beijing, China. ISBN 0-7803-8515-2.
- [Segura et al.(2014)]Segura, Coello, Segredo and Leon] **Segura, C., Coello, C. A. C., Segredo, E. and Leon, C.** (2014). An analysis of the automatic adaptation of the crossover rate in differential evolution. In C. A. Coello Coello, ed., *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*. Beijing, China. ISBN 0-7803-8515-2.
- [Sekanina et al.(2014)]Sekanina, Ptak and Vasicek] **Sekanina, L., Ptak, O. and Vasicek, Z.** (2014). Cartesian genetic programming as local optimizer of logic networks. In C. A. Coello Coello, ed., *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*. Beijing, China. ISBN 0-7803-8515-2.

- [Sephton et al.(2014)Sephton, Cowling, Powley, Whitehouse and Slaven] **Sephton, N., Cowling, P., Powley, E., Whitehouse, D. and Slaven, N.** (2014). Parallelization of information set Monte Carlo tree search. In C. A. Coello Coello, ed., *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*. Beijing, China. ISBN 0-7803-8515-2.
- [Shan et al.(2014)Shan, Yasuda and Ohkura] **Shan, H., Yasuda, T. and Ohkura, K.** (2014). A Levy flight-based hybrid artificial bee colony algorithm for solving numerical optimization problems. In C. A. Coello Coello, ed., *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*. Beijing, China. ISBN 0-7803-8515-2.
- [Shang et al.(2014)Shang, Zhang and Jiao] **Shang, R., Zhang, K. and Jiao, L.** (2014). A novel algorithm for many-objective dimension reductions: Pareto-PCA-NSGA-II. In C. A. Coello Coello, ed., *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*. Beijing, China. ISBN 0-7803-8515-2.
- [Shang-Chia et al.(2014)Shang-Chia, Wei-Chang and Tso-Jung] **Shang-Chia, W., Wei-Chang, Y. and Tso-Jung, Y.** (2014). Pareto simplified swarm optimization for grid-computing reliability and service makspan in grid-RMS. In C. A. Coello Coello, ed., *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*. Beijing, China. ISBN 0-7803-8515-2.
- [Shao et al.(2014)Shao, Abielmona, Falcon and Japkowicz] **Shao, H., Abielmona, R., Falcon, R. and Japkowicz, N.** (2014). Vessel track correlation and association using fuzzy logic and echo state networks. In C. A. Coello Coello, ed., *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*. Beijing, China. ISBN 0-7803-8515-2.
- [Shi et al.(2014)Shi, Peng and Wei] **Shi, Z., Peng, Y. and Wei, W.** (2014). Optimal sizing of DGs and storage for microgrid with interruptible load using improved NSGA-II. In C. A. Coello Coello, ed., *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*. Beijing, China. ISBN 0-7803-8515-2.
- [Shuai et al.(2014)Shuai, Wang and Gong] **Shuai, L., Wang, Z. and Gong, T.** (2014). Simulating the coevolution of language and long-term memory. In C. A. Coello Coello, ed., *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*. Beijing, China. ISBN 0-7803-8515-2.
- [Si et al.(2014)Si, Shen, Zou, Wang and Wu] **Si, C., Shen, J., Zou, X., Wang, L. and Wu, Q.** (2014). Mapping constrained optimization problems to penalty parameters: An empirical study. In C. A. Coello Coello, ed., *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*. Beijing, China. ISBN 0-7803-8515-2.
- [Silva et al.(2014)Silva, Camilo-Junior, Pascoal and Rosa] **Silva, E. Q., Camilo-Junior, C. G., Pascoal, L. M. L. and Rosa, T. C.** (2014). An evolutionary approach for combining results of recommender systems techniques based on collaborative filtering. In C. A. Coello Coello, ed., *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*. Beijing, China. ISBN 0-7803-8515-2.
- [Singh et al.(2014a)Singh, Asafuddoula and Ray] **Singh, H., Asafuddoula, M. and Ray, T.** (2014a). Solving problems with a mix of hard and soft constraints using modified infeasibility driven evolutionary algorithm (IDEA-M). In C. A. Coello Coello, ed., *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*. Beijing, China. ISBN 0-7803-8515-2.
- [Singh et al.(2014b)Singh, Isaacs and Ray] **Singh, H., Isaacs, A. and Ray, T.** (2014b). A hybrid surrogate based algorithm (HSBA) to solve computationally expensive optimization problems. In C. A. Coello Coello, ed., *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*. Beijing, China. ISBN 0-7803-8515-2.
- [Singh et al.(2014c)Singh, Couckuyt, Ferranti and Dhaene] **Singh, P., Couckuyt, I., Ferranti, F. and Dhaene, T.** (2014c). A constrained multi-objective surrogate-based optimization algorithm. In C. A. Coello Coello, ed., *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*. Beijing, China. ISBN 0-7803-8515-2.

- [Sinha et al.(2014)Sinha, Malo and Deb] **Sinha, A., Malo, P. and Deb, K.** (2014). An improved bilevel evolutionary algorithm based on quadratic approximations. In C. A. Coello Coello, ed., *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*. Beijing, China. ISBN 0-7803-8515-2.
- [Smith et al.(2014)Smith, Doherty and Jin] **Smith, C., Doherty, J. and Jin, Y.** (2014). Multi-objective evolutionary recurrent neural network ensemble for prediction of computational fluid dynamic simulations. In C. A. Coello Coello, ed., *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*. Beijing, China. ISBN 0-7803-8515-2.
- [Smullen et al.(2014)Smullen, Gillett, Heron and Rahnamayan] **Smullen, D., Gillett, J., Heron, J. and Rahnamayan, S.** (2014). Genetic algorithm with self-adaptive mutation controlled by chromosome similarity. In C. A. Coello Coello, ed., *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*. Beijing, China. ISBN 0-7803-8515-2.
- [Soncco-Alvarez and Ayala-Rincon(2014)] **Soncco-Alvarez, J. L. and Ayala-Rincon, M.** (2014). Memetic algorithm for sorting unsigned permutations by reversals. In C. A. Coello Coello, ed., *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*. Beijing, China. ISBN 0-7803-8515-2.
- [Song et al.(2014)Song, Ji, Yang and Zhang] **Song, X., Ji, J., Yang, C. and Zhang, X.** (2014). Ant colony clustering based on sampling for community detection. In C. A. Coello Coello, ed., *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*. Beijing, China. ISBN 0-7803-8515-2.
- [Souza et al.(2014a)Souza, Prudencio and Barros] **Souza, L., Prudencio, R. and Barros, F.** (2014a). A comparison study of binary multi-objective particle swarm optimization approaches for test case selection. In C. A. Coello Coello, ed., *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*. Beijing, China. ISBN 0-7803-8515-2.
- [Souza et al.(2014b)Souza, Goldberg and Goldberg] **Souza, T., Goldberg, E. and Goldberg, M.** (2014b). An experimental analysis of evolutionary algorithms for the three-objective oil derivatives distribution problem. In C. A. Coello Coello, ed., *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*. Beijing, China. ISBN 0-7803-8515-2.
- [St-Pierre and Liu(2014)] **St-Pierre, D. L. and Liu, J.** (2014). Differential evolution algorithm applied to non-stationary bandit problem. In C. A. Coello Coello, ed., *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*. Beijing, China. ISBN 0-7803-8515-2.
- [Stanley et al.(2014)Stanley, Palazzolo and Warnke] **Stanley, S., Palazzolo, T. and Warnke, D.** (2014). Analyzing prehistoric hunter behavior with cultural algorithms. In C. A. Coello Coello, ed., *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*. Beijing, China. ISBN 0-7803-8515-2.
- [Su and Yu(2014)] **Su, Y.-E. and Yu, T.-L.** (2014). Use model building on discretization algorithms for discrete EDAs to work on real-valued problems. In C. A. Coello Coello, ed., *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*. Beijing, China. ISBN 0-7803-8515-2.
- [Sudo et al.(2014)Sudo, Nojima and Ishibuchi] **Sudo, T., Nojima, Y. and Ishibuchi, H.** (2014). Effects of ensemble action selection on the evolution of iterated prisoner's dilemma game strategies. In C. A. Coello Coello, ed., *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*. Beijing, China. ISBN 0-7803-8515-2.
- [Suzuki et al.(2014)Suzuki, Tsuruta, Knauf and Sakurai] **Suzuki, M., Tsuruta, S., Knauf, R. and Sakurai, Y.** (2014). Knowledge acquisition issues for intelligent route optimization by evolutionary computation. In C. A. Coello Coello, ed., *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*. Beijing, China. ISBN 0-7803-8515-2.
- [Tamura and Yasuda(2014)] **Tamura, K. and Yasuda, K.** (2014). Primary study on feedback controlled differential evolution. In C. A. Coello Coello, ed., *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*. Beijing, China. ISBN 0-7803-8515-2.

- [Tanabe and Fukunaga(2014)] **Tanabe, R. and Fukunaga, A.** (2014). Improving the search performance of SHADE using linear population size reduction. In C. A. Coello Coello, ed., *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*. Beijing, China. ISBN 0-7803-8515-2.
- [Tang and Abbass(2014)] **Tang, J. and Abbass, H. A.** (2014). Behavioral learning of aircraft landing sequencing using a society of probabilistic finite state machines. In C. A. Coello Coello, ed., *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*. Beijing, China. ISBN 0-7803-8515-2.
- [Thanh et al.(2014)Thanh, Van, Xuan, Duc and Manh] **Thanh, B. H. T., Van, L. T., Xuan, H. N., Duc, A. N. and Manh, T. P.** (2014). Reordering dimensions for radial visualization of multidimensional data - a genetic algorithms approach. In C. A. Coello Coello, ed., *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*. Beijing, China. ISBN 0-7803-8515-2.
- [Thompson and Congdon(2014)] **Thompson, J. A. and Congdon, C. B.** (2014). GAMI-CRM: Using de novo motif inference to detect cis-regulatory modules. In C. A. Coello Coello, ed., *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*. Beijing, China. ISBN 0-7803-8515-2.
- [Triguero et al.(2014)Triguero, Peralta, Bacardit, Garcia and Herrera] **Triguero, I., Peralta, D., Bacardit, J., Garcia, S. and Herrera, F.** (2014). A combined MapReduce-windowing two-level parallel scheme for evolutionary prototype generation. In C. A. Coello Coello, ed., *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*. Beijing, China. ISBN 0-7803-8515-2.
- [Tsai et al.(2014a)Tsai, Chen and ping Chen] **Tsai, P.-C., Chen, C.-M. and ping Chen, Y.** (2014a). A novel evaluation function for LT codes degree distribution optimization. In C. A. Coello Coello, ed., *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*. Beijing, China. ISBN 0-7803-8515-2.
- [Tsai et al.(2014b)Tsai, Chen and ping Chen] **Tsai, P.-C., Chen, C.-M. and ping Chen, Y.** (2014b). PSO-based evacuation simulation framework. In C. A. Coello Coello, ed., *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*. Beijing, China. ISBN 0-7803-8515-2.
- [Tsang(2014)] **Tsang, J.** (2014). The structure of a probabilistic 2-state finite transducer representation for prisoner's dilemma. In C. A. Coello Coello, ed., *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*. Beijing, China. ISBN 0-7803-8515-2.
- [Tung et al.(2014)Tung, Ma and Yu] **Tung, H.-Y., Ma, W.-C. and Yu, T.-L.** (2014). Novel traffic signal timing adjustment strategy based on genetic algorithm. In C. A. Coello Coello, ed., *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*. Beijing, China. ISBN 0-7803-8515-2.
- [Turky and Abdullah(2014)] **Turky, A. and Abdullah, S.** (2014). Using electromagnetic algorithm for tuning the structure and parameters of neural networks. In C. A. Coello Coello, ed., *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*. Beijing, China. ISBN 0-7803-8515-2.
- [Vafaei et al.(2014)Vafaei, Turan, Nelson and Berger-Wolf] **Vafaei, F., Turan, G., Nelson, P. and Berger-Wolf, T.** (2014). Balancing the exploration and exploitation in an adaptive diversity guided genetic algorithm. In C. A. Coello Coello, ed., *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*. Beijing, China. ISBN 0-7803-8515-2.
- [Valsecchi et al.(2014)Valsecchi, Mesejo, Marrakchi-Kacem, Cagnoni and Damas] **Valsecchi, A., Mesejo, P., Marrakchi-Kacem, L., Cagnoni, S. and Damas, S.** (2014). Automatic evolutionary medical image segmentation using deformable models. In C. A. Coello Coello, ed., *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*. Beijing, China. ISBN 0-7803-8515-2.

- [vanden Broucke et al.(2014)vanden Broucke, Vanthienen and Baesens] **vanden Broucke, S., Vanthienen, J. and Baesens, B.** (2014). Declarative process discovery with evolutionary computing. In C. A. Coello Coello, ed., *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*. Beijing, China. ISBN 0-7803-8515-2.
- [Varela et al.(2014)Varela, Caamano, Orjales, Deibe, Lopez-Pena and Duro] **Varela, G., Caamano, P., Orjales, F., Deibe, A., Lopez-Pena, F. and Duro, R.** (2014). Differential evolution in constrained sampling problems. In C. A. Coello Coello, ed., *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*. Beijing, China. ISBN 0-7803-8515-2.
- [Viegas et al.(2014)Viegas, Vieira, Sousa and Henriques] **Viegas, J., Vieira, S., Sousa, J. and Henriques, E.** (2014). Metaheuristics for the 3D bin packing problem in the steel industry. In C. A. Coello Coello, ed., *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*. Beijing, China. ISBN 0-7803-8515-2.
- [Wagner(2014)] **Wagner, M.** (2014). Maximising axiomatization coverage and minimizing regression testing time. In C. A. Coello Coello, ed., *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*. Beijing, China. ISBN 0-7803-8515-2.
- [Wagner and Neumann(2014)] **Wagner, M. and Neumann, F.** (2014). Single- and multi-objective genetic programming: New runtime results for SORTING. In C. A. Coello Coello, ed., *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*. Beijing, China. ISBN 0-7803-8515-2.
- [Wang et al.(2014a)Wang, Xu and Yuan] **Wang, B., Xu, H. and Yuan, Y.** (2014a). Quantum-inspired evolutionary algorithm with linkage learning. In C. A. Coello Coello, ed., *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*. Beijing, China. ISBN 0-7803-8515-2.
- [Wang et al.(2014b)Wang, Gao and Zhu] **Wang, F., Gao, Y. and Zhu, Z.** (2014b). Locality-sensitive hashing based multiobjective memetic algorithm for dynamic pickup and delivery problems. In C. A. Coello Coello, ed., *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*. Beijing, China. ISBN 0-7803-8515-2.
- [Wang et al.(2014c)Wang, Yang, Li and Zhang] **Wang, L., Yang, B., Li, Y. and Zhang, N.** (2014c). A novel improvement of particle swarm optimization using dual factors strategy. In C. A. Coello Coello, ed., *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*. Beijing, China. ISBN 0-7803-8515-2.
- [Wang et al.(2014d)Wang, Li, Gong, Su and Jiao] **Wang, Q., Li, H., Gong, M., Su, L. and Jiao, L.** (2014d). A multiobjective optimization method based on MOEA/D and fuzzy clustering for change detection in SAR images. In C. A. Coello Coello, ed., *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*. Beijing, China. ISBN 0-7803-8515-2.
- [Wang et al.(2014e)Wang, Gain and Nitschke] **Wang, S., Gain, J. and Nitschke, G.** (2014e). Comparing crossover operators in neuro-evolution with crowd simulations. In C. A. Coello Coello, ed., *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*. Beijing, China. ISBN 0-7803-8515-2.
- [Wang et al.(2014f)Wang, Gong, Ma, Cai and Jiao] **Wang, S., Gong, M., Ma, L., Cai, Q. and Jiao, L.** (2014f). Decomposition based multiobjective evolutionary algorithm for collaborative filtering recommender systems. In C. A. Coello Coello, ed., *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*. Beijing, China. ISBN 0-7803-8515-2.
- [Wang et al.(2014g)Wang, Zuo and Zhao] **Wang, S., Zuo, X. and Zhao, X.** (2014g). Solving dynamic double-row layout problem via an improved simulated annealing algorithm. In C. A. Coello Coello, ed., *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*. Beijing, China. ISBN 0-7803-8515-2.
- [Wang et al.(2014h)Wang, Tung and Yu] **Wang, S.-M., Tung, Y.-F. and Yu, T.-L.** (2014h). Investigation on efficiency of optimal mixing on various linkage sets. In C. A. Coello Coello, ed., *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*. Beijing, China. ISBN 0-7803-8515-2.

- [Wang et al.(2014i)Wang, Liu, Japkowicz and Matwin] **Wang, X., Liu, X., Japkowicz, N. and Matwin, S.** (2014i). Automatic target recognition using multiple-aspect sonar images. In C. A. Coello Coello, ed., *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*. Beijing, China. ISBN 0-7803-8515-2.
- [Wang and Yin(2014)] **Wang, Y. and Yin, J.** (2014). Intelligent search optimized edge potential function (EPF) approach to synthetic aperture radar (SAR) scene matching. In C. A. Coello Coello, ed., *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*. Beijing, China. ISBN 0-7803-8515-2.
- [Wang et al.(2014j)Wang, Gong, Cai, Ma and Jiao] **Wang, Z., Gong, M., Cai, Q., Ma, L. and Jiao, L.** (2014j). Deployment optimization of near space airships based on MOEA/D with local search. In C. A. Coello Coello, ed., *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*. Beijing, China. ISBN 0-7803-8515-2.
- [Wang et al.(2014k)Wang, Zhang, Gong and Zhou] **Wang, Z., Zhang, Q., Gong, M. and Zhou, A.** (2014k). A replacement strategy for balancing convergence and diversity in MOEA/D. In C. A. Coello Coello, ed., *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*. Beijing, China. ISBN 0-7803-8515-2.
- [Watanabe et al.(2014a)Watanabe, Chiba and Kanazaki] **Watanabe, S., Chiba, Y. and Kanazaki, M.** (2014a). A proposal on analysis support system based on association rule analysis for non-dominated solutions. In C. A. Coello Coello, ed., *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*. Beijing, China. ISBN 0-7803-8515-2.
- [Watanabe et al.(2014b)Watanabe, Tatsukawa, Jaimes, Aono, Nonomura, Oyama and Fujii] **Watanabe, T., Tatsukawa, T., Jaimes, A. L., Aono, H., Nonomura, T., Oyama, A. and Fujii, K.** (2014b). Many-objective evolutionary computation for optimization of separated-flow control using a DBD plasma actuator. In C. A. Coello Coello, ed., *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*. Beijing, China. ISBN 0-7803-8515-2.
- [Wei et al.(2014)Wei, Wang and Zong] **Wei, F., Wang, Y. and Zong, T.** (2014). Variable grouping based differential evolution using an auxiliary function for large scale global optimization. In C. A. Coello Coello, ed., *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*. Beijing, China. ISBN 0-7803-8515-2.
- [Wei and Dinneen(2014a)] **Wei, K. and Dinneen, M. J.** (2014a). Hybridizing the dynamic mutation approach with local searches to overcome local optima. In C. A. Coello Coello, ed., *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*. Beijing, China. ISBN 0-7803-8515-2.
- [Wei and Dinneen(2014b)] **Wei, K. and Dinneen, M. J.** (2014b). Runtime comparison of two fitness functions on a memetic algorithm for the clique problem. In C. A. Coello Coello, ed., *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*. Beijing, China. ISBN 0-7803-8515-2.
- [wei Zheng et al.(2014)wei Zheng, jie Lu and hua Chen] **wei Zheng, X., jie Lu, D. and hua Chen, Z.** (2014). A self-adaptive group search optimizer with elitist strategy. In C. A. Coello Coello, ed., *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*. Beijing, China. ISBN 0-7803-8515-2.
- [Weise et al.(2014)Weise, Wan, Tang and Yao] **Weise, T., Wan, M., Tang, K. and Yao, X.** (2014). Evolving exact integer algorithms with genetic programming. In C. A. Coello Coello, ed., *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*. Beijing, China. ISBN 0-7803-8515-2.
- [Weiszer et al.(2014)Weiszer, Chen, Ravizza, Atkin and Stewart] **Weiszer, M., Chen, J., Ravizza, S., Atkin, J. and Stewart, P.** (2014). A heuristic approach to greener airport ground movement. In C. A. Coello Coello, ed., *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*. Beijing, China. ISBN 0-7803-8515-2.

- [Wesolkowski et al.(2014)Wesolkowski, Francetic and Grant] **Wesolkowski, S., Francetic, N. and Grant, S.** (2014). TraDE: Training device selection via multi-objective optimization. In C. A. Coello Coello, ed., *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*. Beijing, China. ISBN 0-7803-8515-2.
- [Wong et al.(2014)Wong, Lo, Wong and Leung] **Wong, P.-K., Lo, L.-Y., Wong, M.-L. and Leung, K.-S.** (2014). Grammar based genetic programming with Bayesian network. In C. A. Coello Coello, ed., *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*. Beijing, China. ISBN 0-7803-8515-2.
- [Wu et al.(2014a)Wu, Liu and Ting] **Wu, C.-L., Liu, C.-H. and Ting, C.-K.** (2014a). A novel genetic algorithm considering measures and phrases for generating melody. In C. A. Coello Coello, ed., *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*. Beijing, China. ISBN 0-7803-8515-2.
- [Wu et al.(2014b)Wu, Chiang and Fu] **Wu, C.-W., Chiang, T.-C. and Fu, L.-C.** (2014b). An ant colony optimization algorithm for multi-objective clustering in mobile ad hoc networks. In C. A. Coello Coello, ed., *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*. Beijing, China. ISBN 0-7803-8515-2.
- [Wu et al.(2014c)Wu, Zhang and Wu] **Wu, H., Zhang, F. and Wu, L.** (2014c). An uncultivated wolf pack algorithm for high-dimensional functions and its application in parameters optimization of PID controller. In C. A. Coello Coello, ed., *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*. Beijing, China. ISBN 0-7803-8515-2.
- [Wu et al.(2014d)Wu, Yuan, Gong, Ma, Ma and Li] **Wu, J., Yuan, L., Gong, Q., Ma, W., Ma, J. and Li, Y.** (2014d). A compression optimization algorithm for community detection. In C. A. Coello Coello, ed., *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*. Beijing, China. ISBN 0-7803-8515-2.
- [Wu et al.(2014e)Wu, Karkar, Liu, Yakovlev and Gielen] **Wu, M., Karkar, A., Liu, B., Yakovlev, A. and Gielen, G.** (2014e). Network on chip optimization based on surrogate model assisted evolutionary algorithms. In C. A. Coello Coello, ed., *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*. Beijing, China. ISBN 0-7803-8515-2.
- [Wu et al.(2014f)Wu, Zhu and Ji] **Wu, N., Zhu, Z. and Ji, Z.** (2014f). A growing partitional clustering based on particle swarm optimization. In C. A. Coello Coello, ed., *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*. Beijing, China. ISBN 0-7803-8515-2.
- [Wu and Liu(2014)] **Wu, S.-Y. and Liu, J.-S.** (2014). Evolutionary path planning of a data mule in wireless sensor network by using shortcuts. In C. A. Coello Coello, ed., *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*. Beijing, China. ISBN 0-7803-8515-2.
- [Wu and Kolonko(2014)] **Wu, Z. and Kolonko, M.** (2014). Absorption in model-based search algorithms for combinatorial optimization. In C. A. Coello Coello, ed., *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*. Beijing, China. ISBN 0-7803-8515-2.
- [Xiang et al.(2014)Xiang, Zhang and Chen] **Xiang, T., Zhang, W. and Chen, F.** (2014). A verifiable PSO algorithm in cloud computing. In C. A. Coello Coello, ed., *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*. Beijing, China. ISBN 0-7803-8515-2.
- [Xiao et al.(2014)Xiao, Trefzer, Walker, Bale and Tyrrell] **Xiao, Y., Trefzer, M., Walker, J., Bale, S. and Tyrrell, A.** (2014). Two step evolution strategy for device motif BSIM model parameter extraction. In C. A. Coello Coello, ed., *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*. Beijing, China. ISBN 0-7803-8515-2.
- [Xie and Shang(2014)] **Xie, C. and Shang, L.** (2014). Anomaly detection in crowded scenes using genetic programming. In C. A. Coello Coello, ed., *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*. Beijing, China. ISBN 0-7803-8515-2.

- [Xie et al.(2014a)Xie, Song and Ciesielski] **Xie, F., Song, A. and Ciesielski, V.** (2014a). Genetic programming based activity recognition on a smartphone sensory data benchmark. In C. A. Coello Coello, ed., *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*. Beijing, China. ISBN 0-7803-8515-2.
- [Xie et al.(2014b)Xie, Mei, Ernst, Li and Song] **Xie, J., Mei, Y., Ernst, A., Li, X. and Song, A.** (2014b). A genetic programming-based hyper-heuristic approach for storage location assignment problem. In C. A. Coello Coello, ed., *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*. Beijing, China. ISBN 0-7803-8515-2.
- [Xu et al.(2014a)Xu, Huang and Ye] **Xu, C., Huang, H. and Ye, S.** (2014a). A differential evolution with replacement strategy for real-parameter numerical optimization. In C. A. Coello Coello, ed., *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*. Beijing, China. ISBN 0-7803-8515-2.
- [Xu et al.(2014b)Xu, Xi and Wang] **Xu, J., Xi, X. and Wang, S.** (2014b). Optimization based on adaptive hinging hyperplanes and genetic algorithm. In C. A. Coello Coello, ed., *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*. Beijing, China. ISBN 0-7803-8515-2.
- [Xu et al.(2014c)Xu, Lu, He, Ding and Ju] **Xu, X., Lu, L., He, P., Ding, J. and Ju, Y.** (2014c). Evolutionary semi-supervised learning with swarm intelligence. In C. A. Coello Coello, ed., *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*. Beijing, China. ISBN 0-7803-8515-2.
- [Xu and Tang(2014)] **Xu, X. and Tang, M.** (2014). A new grouping genetic algorithm for the mapreduce placement problem in cloud computing. In C. A. Coello Coello, ed., *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*. Beijing, China. ISBN 0-7803-8515-2.
- [Xue et al.(2014)Xue, Qin and Zhang] **Xue, B., Qin, A. K. and Zhang, M.** (2014). An archive based particle swarm optimisation for feature selection in classification. In C. A. Coello Coello, ed., *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*. Beijing, China. ISBN 0-7803-8515-2.
- [Yan and Jiao(2014)] **Yan, P. and Jiao, M.** (2014). A chaotic particle swarm optimization algorithm for the jobshop scheduling problem. In C. A. Coello Coello, ed., *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*. Beijing, China. ISBN 0-7803-8515-2.
- [Yang et al.(2014a)Yang, Cai, Li and Guan] **Yang, M., Cai, Z., Li, C. and Guan, J.** (2014a). An improved JADE algorithm for global optimization. In C. A. Coello Coello, ed., *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*. Beijing, China. ISBN 0-7803-8515-2.
- [Yang et al.(2014b)Yang, Li and Chu] **Yang, M., Li, R. and Chu, T.** (2014b). A new method and application for controlling the steady-state probability distributions of probabilistic Boolean networks. In C. A. Coello Coello, ed., *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*. Beijing, China. ISBN 0-7803-8515-2.
- [Yang et al.(2014c)Yang, Tang and Lozano] **Yang, P., Tang, K. and Lozano, J. A.** (2014c). Estimation of distribution algorithms based unmanned aerial vehicle path planner using a new coordinate. In C. A. Coello Coello, ed., *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*. Beijing, China. ISBN 0-7803-8515-2.
- [Yang et al.(2014d)Yang, Li, Foley and Zhang] **Yang, Z., Li, K., Foley, A. and Zhang, C.** (2014d). A new self-learning TLBO algorithm for RBF neural modelling of batteries in electric vehicles. In C. A. Coello Coello, ed., *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*. Beijing, China. ISBN 0-7803-8515-2.
- [Ye et al.(2014)Ye, Dai and Peng] **Ye, S., Dai, G. and Peng, L.** (2014). A hybrid adaptive coevolutionary differential evolution algorithm for large-scale optimization. In C. A. Coello Coello, ed., *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*. Beijing, China. ISBN 0-7803-8515-2.

- [Yexing et al.(2014)Yexing, Xinye, Zhun and Qingfu] **Yexing, L., Xinye, C., Zhun, F. and Qingfu, Z.** (2014). An external archive guided multiobjective evolutionary approach based on decomposition for continuous optimization. In C. A. Coello Coello, ed., *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*. Beijing, China. ISBN 0-7803-8515-2.
- [Yoshida and Yoshikawa(2014)] **Yoshida, T. and Yoshikawa, T.** (2014). A study on non-correspondence in spread between objective space and design variable space for trajectory designing optimization problem. In C. A. Coello Coello, ed., *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*. Beijing, China. ISBN 0-7803-8515-2.
- [Yu et al.(2014a)Yu, Kelley, Zheng and Tan] **Yu, C., Kelley, L., Zheng, S. and Tan, Y.** (2014a). Fireworks algorithm with differential mutation for solving the CEC 2014 competition problems. In C. A. Coello Coello, ed., *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*. Beijing, China. ISBN 0-7803-8515-2.
- [Yu and Liang(2014)] **Yu, J.-C. and Liang, Z.-F.** (2014). Evolutionary regional network modeling for efficient engineering optimization. In C. A. Coello Coello, ed., *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*. Beijing, China. ISBN 0-7803-8515-2.
- [Yu et al.(2014b)Yu, Lam and Li] **Yu, J. J., Lam, A. Y. and Li, V. O.** (2014b). Chemical reaction optimization for the set covering problem. In C. A. Coello Coello, ed., *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*. Beijing, China. ISBN 0-7803-8515-2.
- [Yu and Li(2014)] **Yu, J. J. and Li, V. O.** (2014). Base station switching problem for green cellular networks with social spider algorithm. In C. A. Coello Coello, ed., *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*. Beijing, China. ISBN 0-7803-8515-2.
- [Yu et al.(2014c)Yu, Li and Lam] **Yu, J. J., Li, V. O. and Lam, A. Y.** (2014c). An inter-molecular adaptive collision scheme for chemical reaction optimization. In C. A. Coello Coello, ed., *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*. Beijing, China. ISBN 0-7803-8515-2.
- [Yu et al.(2014d)Yu, Zuo and Murray] **Yu, M., Zuo, X. and Murray, C. C.** (2014d). A tabu search heuristic for the single row layout problem with shared clearances. In C. A. Coello Coello, ed., *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*. Beijing, China. ISBN 0-7803-8515-2.
- [Yu and Lu(2014)] **Yu, W. and Lu, L.** (2014). A route planning strategy for the automatic garment cutter based on genetic algorithm. In C. A. Coello Coello, ed., *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*. Beijing, China. ISBN 0-7803-8515-2.
- [Yu et al.(2014e)Yu, Ma and Zhang] **Yu, Y., Ma, H. and Zhang, M.** (2014e). A genetic programming approach to distributed QoS-aware web service composition. In C. A. Coello Coello, ed., *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*. Beijing, China. ISBN 0-7803-8515-2.
- [Yu and Qian(2014)] **Yu, Y. and Qian, H.** (2014). The sampling-and-learning framework: A statistical view of evolutionary algorithms. In C. A. Coello Coello, ed., *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*. Beijing, China. ISBN 0-7803-8515-2.
- [yu Du et al.(2014)yu Du, juan Lei and qiang Wu] **yu Du, M., juan Lei, X. and qiang Wu, Z.** (2014). A simplified glowworm swarm optimization algorithm. In C. A. Coello Coello, ed., *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*. Beijing, China. ISBN 0-7803-8515-2.
- [yu Zheng et al.(2014)yu Zheng, Wang and yao Wang] **yu Zheng, H., Wang, L. and yao Wang, S.** (2014). A co-evolutionary teaching-learning-based optimization algorithm for stochastic RCPSp. In C. A. Coello Coello, ed., *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*. Beijing, China. ISBN 0-7803-8515-2.

- [Yuan et al.(2014)Yuan, Chen and He] **Yuan, Z., Chen, Y. and He, R.** (2014). Agile earth observing satellites mission planning using genetic algorithm based on high quality initial solutions. In C. A. Coello Coello, ed., *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*. Beijing, China. ISBN 0-7803-8515-2.
- [Yue et al.(2014)Yue, Zexuan and Zhen] **Yue, C., Zexuan, Z. and Zhen, J.** (2014). Feature extraction based on trimmed complex network representation for metabolomic data classification. In C. A. Coello Coello, ed., *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*. Beijing, China. ISBN 0-7803-8515-2.
- [Yuen and Zhang(2014)] **Yuen, S. Y. and Zhang, X.** (2014). Multiobjective evolutionary algorithm portfolio: Choosing suitable algorithm for multiobjective optimization problem. In C. A. Coello Coello, ed., *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*. Beijing, China. ISBN 0-7803-8515-2.
- [Yusoh and Tang(2014)] **Yusoh, Z. M. and Tang, M.** (2014). Composite SaaS scaling in cloud computing using a hybrid genetic algorithm. In C. A. Coello Coello, ed., *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*. Beijing, China. ISBN 0-7803-8515-2.
- [Yuwono et al.(2014)Yuwono, Su, Moulton, Guo and Nguyen] **Yuwono, M., Su, S. W., Moulton, B. D., Guo, Y. and Nguyen, H. T.** (2014). An algorithm for scalable clustering: Ensemble rapid centroid estimation. In C. A. Coello Coello, ed., *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*. Beijing, China. ISBN 0-7803-8515-2.
- [Zan and Jaros(2014)] **Zan, D. and Jaros, J.** (2014). Solving the multidimensional knapsack problem using a CUDA accelerated PSO. In C. A. Coello Coello, ed., *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*. Beijing, China. ISBN 0-7803-8515-2.
- [Zeng and Sun(2014)] **Zeng, Y. and Sun, Y.** (2014). Comparison of multiobjective particle swarm optimization and evolutionary algorithms for optimal reactive power dispatch problem. In C. A. Coello Coello, ed., *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*. Beijing, China. ISBN 0-7803-8515-2.
- [Zhan and Zhang(2014)] **Zhan, Z.-H. and Zhang, J.** (2014). Adaptive particle swarm optimization with variable relocation for dynamic optimization problems. In C. A. Coello Coello, ed., *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*. Beijing, China. ISBN 0-7803-8515-2.
- [Zhang et al.(2014a)Zhang, hua Duan, yan Sang, qing Li and Yan] **Zhang, B., hua Duan, J., yan Sang, H., qing Li, J. and Yan, H.** (2014a). A new penalty function method for constrained optimization using harmony search algorithm. In C. A. Coello Coello, ed., *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*. Beijing, China. ISBN 0-7803-8515-2.
- [Zhang et al.(2014b)Zhang, Shafi and Abbass] **Zhang, B., Shafi, K. and Abbass, H.** (2014b). Online knowledge-based evolutionary multi-objective optimization. In C. A. Coello Coello, ed., *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*. Beijing, China. ISBN 0-7803-8515-2.
- [Zhang et al.(2014c)Zhang, Zhang and Zheng] **Zhang, B., Zhang, M.-X. and Zheng, Y.-J.** (2014c). A hybrid biogeography-based optimization and fireworks algorithm. In C. A. Coello Coello, ed., *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*. Beijing, China. ISBN 0-7803-8515-2.
- [Zhang and Li(2014)] **Zhang, G. and Li, Y.** (2014). Cooperative particle swarm optimizer with elimination mechanism for global optimization of multimodal problems. In C. A. Coello Coello, ed., *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*. Beijing, China. ISBN 0-7803-8515-2.
- [Zhang et al.(2014d)Zhang, Song, Zhou and Gao] **Zhang, H., Song, S., Zhou, A. and Gao, X.-Z.** (2014d). A clustering based multiobjective evolutionary algorithm. In C. A. Coello Coello, ed., *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*. Beijing, China. ISBN 0-7803-8515-2.

- [Zhang and Maringer(2014)] **Zhang, J. and Maringer, D.** (2014). Two parameter update schemes for recurrent reinforcement learning. In C. A. Coello Coello, ed., *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*. Beijing, China. ISBN 0-7803-8515-2.
- [Zhang et al.(2014e)Zhang, Zhang, Chu and Cao] **Zhang, J., Zhang, C., Chu, T. and Cao, M.** (2014e). Cooperation with potential leaders in evolutionary game study of networking agents. In C. A. Coello Coello, ed., *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*. Beijing, China. ISBN 0-7803-8515-2.
- [Zhang et al.(2014f)Zhang, Zhu, Wang and Yao] **Zhang, J., Zhu, X., Wang, W. and Yao, J.** (2014f). A fast restarting particle swarm optimizer. In C. A. Coello Coello, ed., *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*. Beijing, China. ISBN 0-7803-8515-2.
- [Zhang et al.(2014g)Zhang, Weise and Li] **Zhang, K., Weise, T. and Li, J.** (2014g). Fitness level based adaptive operator selection for cutting stock problems with contiguity. In C. A. Coello Coello, ed., *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*. Beijing, China. ISBN 0-7803-8515-2.
- [Zhang and He(2014)] **Zhang, L. and He, R.** (2014). A globally diversified island model PGA for multimodal optimization. In C. A. Coello Coello, ed., *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*. Beijing, China. ISBN 0-7803-8515-2.
- [Zhang et al.(2014h)Zhang, Gao and Zhang] **Zhang, W., Gao, Y. and Zhang, C.** (2014h). The enhanced vector of convergence for particle swarm optimization based on constrict factor. In C. A. Coello Coello, ed., *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*. Beijing, China. ISBN 0-7803-8515-2.
- [Zhang et al.(2014i)Zhang, Dai, Peng and Wang] **Zhang, Y., Dai, G., Peng, L. and Wang, M.** (2014i). HMOEDA_LLE: A hybrid multi-objective estimation of distribution algorithm combining locally linear embedding. In C. A. Coello Coello, ed., *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*. Beijing, China. ISBN 0-7803-8515-2.
- [Zheng et al.(2014a)Zheng, Janecek, Li and Tan] **Zheng, S., Janecek, A., Li, J. and Tan, Y.** (2014a). Dynamic search in fireworks algorithm. In C. A. Coello Coello, ed., *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*. Beijing, China. ISBN 0-7803-8515-2.
- [Zheng et al.(2014b)Zheng, Wang and Wang] **Zheng, X., Wang, L. and Wang, S.** (2014b). An enhanced non-dominated sorting based fruit fly optimization algorithm for solving environmental economic dispatch problem. In C. A. Coello Coello, ed., *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*. Beijing, China. ISBN 0-7803-8515-2.
- [Zheng et al.(2014c)Zheng, Zhang and Cheng] **Zheng, Y.-J., Zhang, B. and Cheng, Z.** (2014c). Hyper-heuristics with penalty parameter adaptation for constrained optimization. In C. A. Coello Coello, ed., *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*. Beijing, China. ISBN 0-7803-8515-2.
- [Zheng et al.(2014d)Zheng, Li, Li and Tan] **Zheng, Z., Li, J., Li, J. and Tan, Y.** (2014d). Avoiding decoys in multiple targets searching problems using swarm robotics. In C. A. Coello Coello, ed., *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*. Beijing, China. ISBN 0-7803-8515-2.
- [Zhou et al.(2014)Zhou, Peng and Yang] **Zhou, X., Peng, W. and Yang, B.** (2014). GEAS: A GA-ES-mixed algorithm for parameterized optimization problems - using CLS problem as an example. In C. A. Coello Coello, ed., *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*. Beijing, China. ISBN 0-7803-8515-2.
- [Zhu et al.(2014a)Zhu, Deb and Kulkarni] **Zhu, L., Deb, K. and Kulkarni, S.** (2014a). Multi-scenario optimization using multi-criterion methods: A case study on Byzantine agreement problem. In C. A. Coello Coello, ed., *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*. Beijing, China. ISBN 0-7803-8515-2.

- [Zhu et al.(2014b)Zhu, Luo and Yue] **Zhu, T., Luo, W. and Yue, L.** (2014b). Combining multipopulation evolutionary algorithms with memory for dynamic optimization problems. In C. A. Coello Coello, ed., *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*. Beijing, China. ISBN 0-7803-8515-2.
- [Zhu et al.(2014c)Zhu, Luo and Zhu] **Zhu, X., Luo, W. and Zhu, T.** (2014c). An improved genetic algorithm for dynamic shortest path problems. In C. A. Coello Coello, ed., *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*. Beijing, China. ISBN 0-7803-8515-2.
- [Zong et al.(2014)Zong, Xiong, Xu and Duan] **Zong, X., Xiong, S., Xu, H. and Duan, P.** (2014). Space-time simulation model based on particle swarm optimization algorithm for stadium evacuation. In C. A. Coello Coello, ed., *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*. Beijing, China. ISBN 0-7803-8515-2.