Список литературы

- [AAMMCR14] Maria-Yaneli Ameca-Alducin, Efren Mezura-Montes, and Nicandro Cruz-Ramirez, Differential evolution with combined variants for dynamic constrained optimization, Proceedings of the 2014 IEEE Congress on Evolutionary Computation (Beijing, China) (Carlos A. Coello Coello, ed.), 6-11 July 2014, pp. 975–982.
- [ABM14] Marcos Alvares, Fernando Buarque, and Tshilidzi Marwala, Application of computational intelligence for source code classification, Proceedings of the 2014 IEEE Congress on Evolutionary Computation (Beijing, China) (Carlos A. Coello Coello, ed.), 6-11 July 2014, pp. 895–902.
- [ABN14] Steven Adriaensen, Tim Brys, and Ann Nowe, *Designing reusable metaheuristic methods: A semi-automated approach*, Proceedings of the 2014 IEEE Congress on Evolutionary Computation (Beijing, China) (Carlos A. Coello Coello, ed.), 6-11 July 2014, pp. 2969–2976.
- [ABS14] Radhia Azzouz, Slim Bechikh, and Lamjed Ben Said, A multiple reference point-based evolutionary algorithm for dynamic multi-objective optimization with undetectable changes, Proceedings of the 2014 IEEE Congress on Evolutionary Computation (Beijing, China) (Carlos A. Coello Coello, ed.), 6-11 July 2014, pp. 3168–3175.
- [ADGLFA14] Nancy Arana-Daniel, Alberto A. Gallegos, Carlos Lopez-Franco, and Alma Y. Alanis, Smooth global and local path planning for mobile robot using particle swarm optimization, radial basis functions, splines and Bezier curves, Proceedings of the 2014 IEEE Congress on Evolutionary Computation (Beijing, China) (Carlos A. Coello Coello, ed.), 6-11 July 2014, pp. 175–182.
- [ADKR14] Shafiq Alam, Gillian Dobbie, Yun Sing Koh, and Patricia Riddle, Web bots detection using particle swarm optimization based clustering, Proceedings of the 2014 IEEE Congress on Evolutionary Computation (Beijing, China) (Carlos A. Coello Coello, ed.), 6-11 July 2014, pp. 2955–2962.
- [AH14] Daniel Ashlock and Philip Hingston, *Tego a framework for adversarial planning, Proceedings of the 2014 IEEE Congress on Evolutionary Computation (Beijing, China) (Carlos A. Coello Coello, ed.), 6-11 July 2014, pp. 13–20.
- [AIV14] Giovanni Acampora, Hisao Ishibuchi, and Autilia Vitiello, A comparison of multiobjective evolutionary algorithms for the ontology meta-matching problem, Proceedings of the 2014 IEEE Congress on Evolutionary Computation (Beijing, China) (Carlos A. Coello Coello, ed.), 6-11 July 2014, pp. 413–420.
- [AJB14] Wissam A. Albukhanajer, Yaochu Jin, and Johann A. Briffa, Neural network ensembles for image identification using Pareto-optimal features, Proceedings of the 2014 IEEE Congress on Evolutionary Computation (Beijing, China) (Carlos A. Coello Coello, ed.), 6-11 July 2014, pp. 89–96.
- [AKB14] Jaqueline Angelo, Eduardo Krempser, and Helio Barbosa, Differential evolution assisted by a surrogate model for bilevel programming problems, Proceedings of the 2014 IEEE Congress on Evolutionary Computation (Beijing, China) (Carlos A. Coello Coello, ed.), 6-11 July 2014, pp. 1784–1791.
- [AL14a] Johanna Aalto and Jouni Lampinen, A mutation and crossover adaptation mechanism for differential evolution algorithm, Proceedings of the 2014 IEEE Congress on Evolutionary Computation (Beijing, China) (Carlos A. Coello Coello, ed.), 6-11 July 2014, pp. 451–458.
- [AL14b] Fawaz Alanazi and Per Kristian Lehre, Runtime analysis of selection hyper-heuristics with classical learning mechanisms, Proceedings of the 2014 IEEE Congress on Evolutionary Computation (Beijing, China) (Carlos A. Coello Coello, ed.), 6-11 July 2014, pp. 2515–2523.

- [AMA⁺14] Mostafa Ali, Abdulmalik Morghem, Jafar AlBadarneh, Rami Al-Gharaibeh, Ponnuthurai Suganthan, and Robert Reynolds, *Cultural algorithms applied to the evolution of robotic soccer team tactics: A novel perspective*, Proceedings of the 2014 IEEE Congress on Evolutionary Computation (Beijing, China) (Carlos A. Coello Coello, ed.), 6-11 July 2014, pp. 2180–2187.
- [AOB14] Alexandros Agapitos, Michael O'Neill, and Anthony Brabazon, Ensemble Bayesian model averaging in genetic programming, Proceedings of the 2014 IEEE Congress on Evolutionary Computation (Beijing, China) (Carlos A. Coello Coello, ed.), 6-11 July 2014, pp. 2451–2458.
- [AR14] Mohammad Riyad Ameerudden and Harry Rughooputh, Smart hybrid genetic algorithms in the bandwidth optimization of a PIFA antenna, Proceedings of the 2014 IEEE Congress on Evolutionary Computation (Beijing, China) (Carlos A. Coello Coello, ed.), 6-11 July 2014, pp. 1390–1396.
- [ARA14] Khairul Alam, Tapabrata Ray, and Sreenatha G. Anavatti, Practical application of an evolutionary algorithm for the design and construction of a six-inch submarine, Proceedings of the 2014 IEEE Congress on Evolutionary Computation (Beijing, China) (Carlos A. Coello Coello, ed.), 6-11 July 2014, pp. 2825–2832.
- [AS14] Shakhnaz Akhmedova and Eugene Semenkin, Co-operation of biology related algorithms meta-heuristic in ANN-based classifiers design, Proceedings of the 2014 IEEE Congress on Evolutionary Computation (Beijing, China) (Carlos A. Coello Coello, ed.), 6-11 July 2014, pp. 867–872.
- [ATE⁺14] Rubai Amin, Jiangjun Tang, Mohamed Ellejmi, Stephen Kirby, and Hussein A. Abbass, Trading-off simulation fidelity and optimization accuracy in air-traffic experiments using differential evolution, Proceedings of the 2014 IEEE Congress on Evolutionary Computation (Beijing, China) (Carlos A. Coello Coello, ed.), 6-11 July 2014, pp. 475–482.
- [AV14] Simone Alicino and Massimiliano Vasile, An evolutionary approach to the solution of multi-objective min-max problems in evidence-based robust optimization, Proceedings of the 2014 IEEE Congress on Evolutionary Computation (Beijing, China) (Carlos A. Coello Coello, ed.), 6-11 July 2014, pp. 1179–1186.
- [AXP14] Wahid Abdul, Gao Xiaoying, and Andreae Peter, Multi-view clustering of web documents using multi-objective genetic algorithm, Proceedings of the 2014 IEEE Congress on Evolutionary Computation (Beijing, China) (Carlos A. Coello Coello, ed.), 6-11 July 2014, pp. 2625–2632.
- [AZ14] Ahmad Alhindi and Qingfu Zhang, MOEA/D with tabu search for multiobjective permutation flow shop scheduling problems, Proceedings of the 2014 IEEE Congress on Evolutionary Computation (Beijing, China) (Carlos A. Coello Coello, ed.), 6-11 July 2014, pp. 1155–1164.
- [AZP14] Soha Ahmed, Mengjie Zhang, and Lifeng Peng, A new GP-based wrapper feature construction approach to classification and biomarker identification, Proceedings of the 2014 IEEE Congress on Evolutionary Computation (Beijing, China) (Carlos A. Coello Coello, ed.), 6-11 July 2014, pp. 2756–2763.
- [BAA14] Souhir Bouaziz, Adel M. Alimi, and Ajith Abraham, PSO-based update memory for improved harmony search algorithm to the evolution of FBBFNT' parameters, Proceedings of the 2014 IEEE Congress on Evolutionary Computation (Beijing, China) (Carlos A. Coello Coello, ed.), 6-11 July 2014, pp. 1951–1958.
- [BBK14] Andrew Buck, Tanvi Banerjee, and James Keller, Evolving a fuzzy goal-driven strategy for the game of Geister, Proceedings of the 2014 IEEE Congress on Evolutionary Computation (Beijing, China) (Carlos A. Coello Coello, ed.), 6-11 July 2014, pp. 28–35.

- [BDH⁺14] Ritambhar Burman, Swagatam Das, Zheshanul Haque, Athanasios V. Vasilakos, and Soumyadip Chakraborti, *The monarchy driven optimization algorithm*, Proceedings of the 2014 IEEE Congress on Evolutionary Computation (Beijing, China) (Carlos A. Coello Coello, ed.), 6-11 July 2014, pp. 3008–3015.
- [BDSC14] Subhodip Biswas, Swagatam Das, P. N. Suganthan, and C. A. C Coello, Evolutionary multiobjective optimization in dynamic environments: A set of novel benchmark functions, Proceedings of the 2014 IEEE Congress on Evolutionary Computation (Beijing, China) (Carlos A. Coello Coello, ed.), 6-11 July 2014, pp. 3192–3199.
- [BEDV14] Subhodip Biswas, Mohammad A. Eita, Swagatam Das, and Athanasios V. Vasilakos, Evaluating the performance of group counseling optimizer on CEC 2014 problems for computational expensive optimization, Proceedings of the 2014 IEEE Congress on Evolutionary Computation (Beijing, China) (Carlos A. Coello Coello, ed.), 6-11 July 2014, pp. 1076–1083.
- [Bid14] Michal Bidlo, Evolving multiplication as emergent behavior in cellular automata using conditionally matching rules, Proceedings of the 2014 IEEE Congress on Evolutionary Computation (Beijing, China) (Carlos A. Coello Coello, ed.), 6-11 July 2014, pp. 2732–2739.
- [BLZ14] Chenyang Bu, Wenjian Luo, and Tao Zhu, Differential evolution with a species-based repair strategy for constrained optimization, Proceedings of the 2014 IEEE Congress on Evolutionary Computation (Beijing, China) (Carlos A. Coello Coello, ed.), 6-11 July 2014, pp. 967–974.
- [BNBO14] Jonathan Byrne, Miguel Nicolau, Anthony Brabazon, and Michael O'Neill, An examination of synchronisation in artificial gene regulatory networks, Proceedings of the 2014 IEEE Congress on Evolutionary Computation (Beijing, China) (Carlos A. Coello Coello, ed.), 6-11 July 2014, pp. 2764–2769.
- [BND14] Sunith Bandaru, Amos Ng, and Kalyanmoy Deb, On the performance of classification algorithms for learning Pareto-dominance relations, Proceedings of the 2014 IEEE Congress on Evolutionary Computation (Beijing, China) (Carlos A. Coello Coello, ed.), 6-11 July 2014, pp. 1139–1146.
- [BNZ14] Stephen Bennett, Su Nguyen, and Mengjie Zhang, A hybrid discrete particle swarm optimisation method for grid computation scheduling, Proceedings of the 2014 IEEE Congress on Evolutionary Computation (Beijing, China) (Carlos A. Coello Coello, ed.), 6-11 July 2014, pp. 483–490.
- [BOC14] Gema Bello-Orgaz and David Camacho, Evolutionary clustering algorithm for community detection using graph-based information, Proceedings of the 2014 IEEE Congress on Evolutionary Computation (Beijing, China) (Carlos A. Coello Coello, ed.), 6-11 July 2014, pp. 930–937.
- [BRC14] Antonio Bolufe-Rohler and Stephen Chen, Extending minimum population search towards large scale global optimization, Proceedings of the 2014 IEEE Congress on Evolutionary Computation (Beijing, China) (Carlos A. Coello Coello, ed.), 6-11 July 2014, pp. 845–852.
- [BRN14] Farid Bourennani, Shahryar Rahnamayan, and Greg F. Naterer, *Multi-objective differential evolution with leadership enhancement (MODEL)*, Proceedings of the 2014 IEEE Congress on Evolutionary Computation (Beijing, China) (Carlos A. Coello Coello, ed.), 6-11 July 2014, pp. 1131–1138.
- [BSvdA14] Andrea Burattin, Alessandro Sperduti, and Wil M. P. van der Aalst, *Control-flow discovery from event streams*, Proceedings of the 2014 IEEE Congress on Evolutionary Computation (Beijing, China) (Carlos A. Coello Coello, ed.), 6-11 July 2014, pp. 2420–2427.

- [BT14] Onder Bulut and M. Fatih Tasgetiren, A discrete artificial bee colony algorithm for the economic lot scheduling problem with returns, Proceedings of the 2014 IEEE Congress on Evolutionary Computation (Beijing, China) (Carlos A. Coello Coello, ed.), 6-11 July 2014, pp. 551–557.
- [BTGIGF14] Oswyn Brent, Dhananjay Thiruvady, Antonio Gomez-Iglesias, and Rodolfo Garcia-Flores, *A parallel Lagrangian-ACO heuristic for project scheduling*, Proceedings of the 2014 IEEE Congress on Evolutionary Computation (Beijing, China) (Carlos A. Coello Coello, ed.), 6-11 July 2014, pp. 2985–2991.
- [BTP14] Petr Bujok, Josef Tvrdik, and Radka Polakova, Differential evolution with rotation-invariant mutation and competing-strategies adaptation, Proceedings of the 2014 IEEE Congress on Evolutionary Computation (Beijing, China) (Carlos A. Coello Coello, ed.), 6-11 July 2014, pp. 2253–2258.
- [BWvB14] Ties Brands, Luc Wismans, and Eric van Berkum, *Multi-objective transportation* network design: Accelerating search by applying e-NSGAII, Proceedings of the 2014 IEEE Congress on Evolutionary Computation (Beijing, China) (Carlos A. Coello Coello, ed.), 6-11 July 2014, pp. 405–412.
- [CAH14] Alexandre Chotard, Anne Auger, and Nikolaus Hansen, Markov chain analysis of evolution strategies on a linear constraint optimization problem, Proceedings of the 2014 IEEE Congress on Evolutionary Computation (Beijing, China) (Carlos A. Coello Coello, ed.), 6-11 July 2014, pp. 159–166.
- [CC14] Shao-Wen Chen and Tsung-Che Chiang, Evolutionary many-objective optimization by MO-NSGA-II with enhanced mating selection, Proceedings of the 2014 IEEE Congress on Evolutionary Computation (Beijing, China) (Carlos A. Coello Coello, ed.), 6-11 July 2014, pp. 1397–1404.
- [CCB14] Tianxiang Cui, Shi Cheng, and Ruibin Bai, A combinatorial algorithm for the cardinality constrained portfolio optimization problem, Proceedings of the 2014 IEEE Congress on Evolutionary Computation (Beijing, China) (Carlos A. Coello Coello, ed.), 6-11 July 2014, pp. 491–498.
- [CCLC14] Chun-Hua Chou, Huang Chia-Ling, and Po-Chun Chang, A RFID network design methodology for decision problem in health care, Proceedings of the 2014 IEEE Congress on Evolutionary Computation (Beijing, China) (Carlos A. Coello Coello, ed.), 6-11 July 2014, pp. 1586–1592.
- [CCT14] Allan Campbell, Vic Ciesielski, and Karen Trist, A self organising map based method for understanding features associated with high aesthetic value evolved abstract images, Proceedings of the 2014 IEEE Congress on Evolutionary Computation (Beijing, China) (Carlos A. Coello Coello, ed.), 6-11 July 2014, pp. 2274–2281.
- [CD14] Yiqiao Cai and Jixiang Du, Enhanced differential evolution with adaptive direction information, Proceedings of the 2014 IEEE Congress on Evolutionary Computation (Beijing, China) (Carlos A. Coello Coello, ed.), 6-11 July 2014, pp. 305–312.
- [CE14] Christopher Cleghorn and Andries Engelbrecht, *Particle swarm convergence: An empirical investigation*, Proceedings of the 2014 IEEE Congress on Evolutionary Computation (Beijing, China) (Carlos A. Coello Coello, ed.), 6-11 July 2014, pp. 2524–2530.
- [CF14] Luiz Carvalho and Marcia Fernandes, Multi-objective flexible job-shop scheduling problem with DIPSO: More diversity, greater efficiency, Proceedings of the 2014 IEEE Congress on Evolutionary Computation (Beijing, China) (Carlos A. Coello Coello, ed.), 6-11 July 2014, pp. 282–289.

- [CGCAM14] Ivan Chaman-Garcia, Carlos Coello Coello, and Alfredo Arias-Montano, MOPSOhv: A new hypervolume-based multi-objective particle swarm optimizer, Proceedings of the 2014 IEEE Congress on Evolutionary Computation (Beijing, China) (Carlos A. Coello Coello, ed.), 6-11 July 2014, pp. 266–273.
- [CH14] Po-Chun Chang and Xiangjian He, Macroscopic indeterminacy swarm optimization (MISO) algorithm for real-parameter search, Proceedings of the 2014 IEEE Congress on Evolutionary Computation (Beijing, China) (Carlos A. Coello Coello, ed.), 6-11 July 2014, pp. 1571–1578.
- [CHSC14] Luciano Perdigao Cota, Matheus Nohra Haddad, Marcone Jamilson Freitas Souza, and Vitor Nazario Coelho, AIRP: A heuristic algorithm for solving the unrelated parallel machine scheduling problem, Proceedings of the 2014 IEEE Congress on Evolutionary Computation (Beijing, China) (Carlos A. Coello Coello, ed.), 6-11 July 2014, pp. 1855–1862.
- [CIML14] Josu Ceberio, Ekhine Irurozki, Alexander Mendiburu, and Jose A. Lozano, Extending distance-based ranking models in estimation of distribution algorithms, Proceedings of the 2014 IEEE Congress on Evolutionary Computation (Beijing, China) (Carlos A. Coello Coello, ed.), 6-11 July 2014, pp. 2459–2466.
- [CJ14] Ran Cheng and Yaochu Jin, Demonstrator selection in a social learning particle swarm optimizer, Proceedings of the 2014 IEEE Congress on Evolutionary Computation (Beijing, China) (Carlos A. Coello Coello, ed.), 6-11 July 2014, pp. 3103–3110.
- [CJL⁺14] Ian Cooper, Matthew John, Rhydian Lewis, Andrew Olden, and Christine Mumford, Optimising large scale public transport network design problems using mixed-mode parallel multi-objective evolutionary algorithms, Proceedings of the 2014 IEEE Congress on Evolutionary Computation (Beijing, China) (Carlos A. Coello Coello, ed.), 6-11 July 2014, pp. 2841–2848.
- [CK14] Mauro Campos and Renato Krohling, Bare bones particle swarm with scale mixtures of Gaussians for dynamic constrained optimization, Proceedings of the 2014 IEEE Congress on Evolutionary Computation (Beijing, China) (Carlos A. Coello Coello, ed.), 6-11 July 2014, pp. 202–209.
- [CKK14] Houssem Chatbri, Paul Kwan, and Keisuke Kameyama, A modular approach for query spotting in document images and its optimization using genetic algorithms, Proceedings of the 2014 IEEE Congress on Evolutionary Computation (Beijing, China) (Carlos A. Coello Coello, ed.), 6-11 July 2014, pp. 2085–2092.
- [CLZ14] Gang Chen, Wenjian Luo, and Tao Zhu, Evolutionary clustering with differential evolution, Proceedings of the 2014 IEEE Congress on Evolutionary Computation (Beijing, China) (Carlos A. Coello Coello, ed.), 6-11 July 2014, pp. 1382–1389.
- [CLZX14] Lei Chen, Hai-Lin Liu, Zhe Zheng, and Shengli Xie, A evolutionary algorithm based on covariance matrix leaning and searching preference for solving CEC 2014 benchmark problems, Proceedings of the 2014 IEEE Congress on Evolutionary Computation (Beijing, China) (Carlos A. Coello Coello, ed.), 6-11 July 2014, pp. 2672–2677.
- [CPL14] Peng Cheng, Jeng-Shyang Pan, and Chun-Wei Lin, *Use EMO to protect sensitive knowledge in association rule mining by removing items*, Proceedings of the 2014 IEEE Congress on Evolutionary Computation (Beijing, China) (Carlos A. Coello Coello, ed.), 6-11 July 2014, pp. 1108–1115.
- [CR14] Xiangdong Che and Robert Reynolds, A social metrics based process model on complex social system, Proceedings of the 2014 IEEE Congress on Evolutionary Computation (Beijing, China) (Carlos A. Coello Coello, ed.), 6-11 July 2014, pp. 2214–2221.

- [CRKN14] Archana Chowdhury, Pratyusha Rakshit, Amit Konar, and Atulya Nagar, A modified bat algorithm to predict protein-protein interaction network, Proceedings of the 2014 IEEE Congress on Evolutionary Computation (Beijing, China) (Carlos A. Coello Coello, ed.), 6-11 July 2014, pp. 1046–1053.
- [CRRM14] Kit Yan Chan, N. Rajakaruna, C. Rathnayake, and I. Murray, *Image deblurring using a hybrid optimization algorithm*, Proceedings of the 2014 IEEE Congress on Evolutionary Computation (Beijing, China) (Carlos A. Coello Coello, ed.), 6-11 July 2014, pp. 1243–1249.
- [CSQ⁺14] Shi Cheng, Yuhui Shi, Quande Qin, T. O. Ting, and Ruibin Bai, *Maintaining population diversity in brain storm optimization algorithm*, Proceedings of the 2014 IEEE Congress on Evolutionary Computation (Beijing, China) (Carlos A. Coello Coello, ed.), 6-11 July 2014, pp. 3230–3237.
- [CSX14] Yan Chen, Yi Shang, and Dong Xu, Multi-dimensional scaling and MODELLER-based evolutionary algorithms for protein model refinement, Proceedings of the 2014 IEEE Congress on Evolutionary Computation (Beijing, China) (Carlos A. Coello Coello, ed.), 6-11 July 2014, pp. 1038–1045.
- [CWL14] Zixing Cai, Sha Wen, and Lijue Liu, Distributed wireless sensor scheduling for multitarget tracking based on matrix-coded parallel genetic algorithm, Proceedings of the 2014 IEEE Congress on Evolutionary Computation (Beijing, China) (Carlos A. Coello Coello, ed.), 6-11 July 2014, pp. 2013–2018.
- [CY14] Chi Kin Chow and Shiu Yin Yuen, A dynamic history-driven evolutionary algorithm, Proceedings of the 2014 IEEE Congress on Evolutionary Computation (Beijing, China) (Carlos A. Coello Coello, ed.), 6-11 July 2014, pp. 1558–1564.
- [CZZ⁺14] Min-Rong Chen, Wei Zeng, Guo-Qiang Zeng, Xia Li, and Jian-Ping Luo, A novel artificial bee colony algorithm with integration of extremal optimization for numerical optimization problems, Proceedings of the 2014 IEEE Congress on Evolutionary Computation (Beijing, China) (Carlos A. Coello Coello, ed.), 6-11 July 2014, pp. 242–249
- [Dav14] Jaime Davila, Genotype coding, diversity, and dynamic environments: A study on an evolutionary neural network multi-agent system, Proceedings of the 2014 IEEE Congress on Evolutionary Computation (Beijing, China) (Carlos A. Coello Coello, ed.), 6-11 July 2014, pp. 2306–2313.
- [DC14] Xuanni Du and Xiaolin Chang, Performance of AI algorithms for mining meaningful roles, Proceedings of the 2014 IEEE Congress on Evolutionary Computation (Beijing, China) (Carlos A. Coello Coello, ed.), 6-11 July 2014, pp. 2070–2076.
- [DCX⁺14] Jinliang Ding, Lipeng Chen, Qingguang Xie, Tianyou Chai, and Xiuping Zheng, Effect of pseudo gradient on differential evolutionary for global numerical optimization, Proceedings of the 2014 IEEE Congress on Evolutionary Computation (Beijing, China) (Carlos A. Coello Coello, ed.), 6-11 July 2014, pp. 2019–2026.
- [DDB14] Yashesh Dhebar, Kalyanmoy Deb, and Sunith Bandaru, Non-uniform mapping in real-coded genetic algorithms, Proceedings of the 2014 IEEE Congress on Evolutionary Computation (Beijing, China) (Carlos A. Coello Coello, ed.), 6-11 July 2014, pp. 2237–2244
- [DHRM14] Rolf Dornberger, Thomas Hanne, Remo Ryter, and Stauffer Michael, Optimization of the picking sequence of an automated storage and retrieval system (AS/RS), Proceedings of the 2014 IEEE Congress on Evolutionary Computation (Beijing, China) (Carlos A. Coello Coello, ed.), 6-11 July 2014, pp. 2817–2824.

- [DNBO14] Sarah Donne, Miguel Nicolau, Christopher Bean, and Michael O'Neill, Wave height quantification using land based seismic data with grammatical evolution, Proceedings of the 2014 IEEE Congress on Evolutionary Computation (Beijing, China) (Carlos A. Coello Coello, ed.), 6-11 July 2014, pp. 2909–2916.
- [DRKN14] Shreyasi Datta, Pratyusha Rakshit, Amit Konar, and Atulya K. Nagar, Selecting the optimal EEG electrode positions for a cognitive task using an artificial bee colony with adaptive scale factor optimization algorithm, Proceedings of the 2014 IEEE Congress on Evolutionary Computation (Beijing, China) (Carlos A. Coello Coello, ed.), 6-11 July 2014, pp. 2748–2755.
- [DS14] Laurence Dawson and Iain Stewart, Accelerating ant colony optimization-based edge detection on the GPU using CUDA, Proceedings of the 2014 IEEE Congress on Evolutionary Computation (Beijing, China) (Carlos A. Coello Coello, ed.), 6-11 July 2014, pp. 1736–1743.
- [DSML14] Essam Debie, Kamran Shafi, Kathryn Merrick, and Chris Lokan, An online evolutionary rule learning algorithm with incremental attribute discretization, Proceedings of the 2014 IEEE Congress on Evolutionary Computation (Beijing, China) (Carlos A. Coello Coello, ed.), 6-11 July 2014, pp. 1116–1123.
- [dSMZ14] Alexandre Sawczuk da Silva, Hui Ma, and Mengjie Zhang, A graph-based particle swarm optimisation approach to QoS-aware web service composition and selection, Proceedings of the 2014 IEEE Congress on Evolutionary Computation (Beijing, China) (Carlos A. Coello Coello, ed.), 6-11 July 2014, pp. 3127–3134.
- [DSZP14] Donald Davendra, Roman Senkerik, Ivan Zelinka, and Michal Pluhacek, Scatter search algorithm with chaos based stochasticity, Proceedings of the 2014 IEEE Congress on Evolutionary Computation (Beijing, China) (Carlos A. Coello Coello, ed.), 6-11 July 2014, pp. 860–866.
- [DSZW14] Jianya Ding, Shiji Song, Rui Zhang, and Cheng Wu, Minimizing makespan for a nowait flowshop using tabu mechanism improved iterated greedy algorithm, Proceedings of the 2014 IEEE Congress on Evolutionary Computation (Beijing, China) (Carlos A. Coello Coello, ed.), 6-11 July 2014, pp. 1906–1911.
- [DT14] Ke Ding and Ying Tan, Comparison of random number generators in particle swarm opimization algorithm, Proceedings of the 2014 IEEE Congress on Evolutionary Computation (Beijing, China) (Carlos A. Coello Coello, ed.), 6-11 July 2014, pp. 2664–2671.
- [DTT⁺14] Wenyong Dong, Jiangshen Tian, Xu Tang, Kang Sheng, and Jin Liu, *Autonomous learning adaptation for particle swarm optimization*, Proceedings of the 2014 IEEE Congress on Evolutionary Computation (Beijing, China) (Carlos A. Coello Coello, ed.), 6-11 July 2014, pp. 223–228.
- [dVGVN⁺14] Francisco Fernandez de Vega, Mario Garcia-Valdez, Lilian Navarro, Cayetano Cruz, Patricia Hernandez, Tania Gallego, and J. Vicente Albarran, *When artists met Evospace-i*, Proceedings of the 2014 IEEE Congress on Evolutionary Computation (Beijing, China) (Carlos A. Coello Coello, ed.), 6-11 July 2014, pp. 2282–2289.
- [DXH⁺14] Pengfei Duan, Shengwu Xiong, Zhongbo Hu, Qiong Chen, and Xinlu Zhong, Multiobjective optimization model based on steady degree for teaching building evacuation, Proceedings of the 2014 IEEE Congress on Evolutionary Computation (Beijing, China) (Carlos A. Coello Coello, ed.), 6-11 July 2014, pp. 924–929.
- [DY14] Grant Dick and Xin Yao, Model representation and cooperative coevolution for finite-state machine evolution, Proceedings of the 2014 IEEE Congress on Evolutionary Computation (Beijing, China) (Carlos A. Coello Coello, ed.), 6-11 July 2014, pp. 2700–2707.

- [DZ14] Wei Dong and Sanyou Zeng, Linear sparse arrays designed by dynamic constrained multi-objective evolutionary algorithm, Proceedings of the 2014 IEEE Congress on Evolutionary Computation (Beijing, China) (Carlos A. Coello Coello, ed.), 6-11 July 2014, pp. 3067–3072.
- [ED14] Yaser Enaya and Kalyanmoy Deb, Network path optimization under dynamic conditions, Proceedings of the 2014 IEEE Congress on Evolutionary Computation (Beijing, China) (Carlos A. Coello Coello, ed.), 6-11 July 2014, pp. 2977–2984.
- [ELH14] Tom Everitt, Tor Lattimore, and Marcus Hutter, Free lunch for optimisation under the universal distribution, Proceedings of the 2014 IEEE Congress on Evolutionary Computation (Beijing, China) (Carlos A. Coello Coello, ed.), 6-11 July 2014, pp. 167–174.
- [ERS14] Saber Elsayed, Tapabrata Ray, and Ruhul Sarker, A surrogate-assisted differential evolution algorithm with dynamic parameters selection for solving expensive optimization problems, Proceedings of the 2014 IEEE Congress on Evolutionary Computation (Beijing, China) (Carlos A. Coello Coello, ed.), 6-11 July 2014, pp. 1062–1068.
- [ERW14a] Istvan Erlich, Jose L. Rueda, and Sebastian Wildenhues, Evaluating the mean-variance mapping optimization on the IEEE-CEC 2014 test suite, Proceedings of the 2014 IEEE Congress on Evolutionary Computation (Beijing, China) (Carlos A. Coello Coello, ed.), 6-11 July 2014, pp. 1625–1632.
- [ERW14b] ______, Solving the IEEE-CEC 2014 expensive optimization test problems by using single-particle MVMO, Proceedings of the 2014 IEEE Congress on Evolutionary Computation (Beijing, China) (Carlos A. Coello Coello, ed.), 6-11 July 2014, pp. 1084–1091.
- [ESE14] Saber Elsayed, Ruhul Sarker, and Daryl Essam, *United multi-operator evolutionary algorithms*, Proceedings of the 2014 IEEE Congress on Evolutionary Computation (Beijing, China) (Carlos A. Coello Coello, ed.), 6-11 July 2014, pp. 1006–1013.
- [ESEH14] Saber Elsayed, Ruhul Sarker, Daryl Essam, and Noha Hamza, Testing united multi-operator evolutionary algorithms on the CEC2014 real-parameter numerical optimization, Proceedings of the 2014 IEEE Congress on Evolutionary Computation (Beijing, China) (Carlos A. Coello Coello, ed.), 6-11 July 2014, pp. 1650–1657.
- [FAL⁺14] Cheng Weng Fong, Hishammuddin Asmuni, Way Shen Lam, Barry McCollum, and Paul McMullan, *A novel hybrid approach for curriculum based course timetabling problem*, Proceedings of the 2014 IEEE Congress on Evolutionary Computation (Beijing, China) (Carlos A. Coello Coello, ed.), 6-11 July 2014, pp. 544–550.
- [FCC14] Ezzeddine Fatnassi, Olfa Chebbi, and Jouhaina Chaouachi, A bee colony algorithm for routing guided automated battery-operated electric vehicles in personal rapid transit systems, Proceedings of the 2014 IEEE Congress on Evolutionary Computation (Beijing, China) (Carlos A. Coello Coello, ed.), 6-11 July 2014, pp. 536–543.
- [FD14] Siavash Farzan and Guilherme DeSouza, A parallel evolutionary solution for the inverse kinematics of generic robotic manipulators, Proceedings of the 2014 IEEE Congress on Evolutionary Computation (Beijing, China) (Carlos A. Coello Coello, ed.), 6-11 July 2014, pp. 358–365.
- [FGG14] Denis Felipe, Elizabeth Ferreira Gouvea Goldbarg, and Marco Cesar Goldbarg, Scientific algorithms for the car renter salesman problem, Proceedings of the 2014 IEEE Congress on Evolutionary Computation (Beijing, China) (Carlos A. Coello Coello, ed.), 6-11 July 2014, pp. 873–879.

- [Fie14] Jonathan Fieldsend, Running up those hills: Multi-modal search with the niching migratory multi-swarm optimiser, Proceedings of the 2014 IEEE Congress on Evolutionary Computation (Beijing, China) (Carlos A. Coello Coello, ed.), 6-11 July 2014, pp. 2593–2600.
- [FJZ14] Wenlong Fu, Mark Johnston, and Mengjie Zhang, Unsupervised learning for edge detection using genetic programming, Proceedings of the 2014 IEEE Congress on Evolutionary Computation (Beijing, China) (Carlos A. Coello Coello, ed.), 6-11 July 2014, pp. 117–124.
- [FLS⁺14a] Gary Fogel, Enoch Liu, Marco Salemi, Susanna Lamers, and Michael McGrath, Evolved neural networks for HIV-1 co-receptor identification, Proceedings of the 2014 IEEE Congress on Evolutionary Computation (Beijing, China) (Carlos A. Coello Coello, ed.), 6-11 July 2014, pp. 2778–2784.
- [FLS⁺14b] Haobo Fu, Peter Lewis, Bernhard Sendhoff, Ke Tang, and Xin Yao, What are dynamic optimization problems?, Proceedings of the 2014 IEEE Congress on Evolutionary Computation (Beijing, China) (Carlos A. Coello Coello, ed.), 6-11 July 2014, pp. 1550–1557.
- [FM14] Timo Friedrich and Stefan Menzel, A cascaded evolutionary multi-objective optimization for solving the unbiased universal electric motor family problem, Proceedings of the 2014 IEEE Congress on Evolutionary Computation (Beijing, China) (Carlos A. Coello Coello, ed.), 6-11 July 2014, pp. 3184–3191.
- [FTL14] Shasha Feng, Shaolin Tan, and Jinhu Lu, Characterizing the impact of selection on the evolution of cooperation in complex networks, Proceedings of the 2014 IEEE Congress on Evolutionary Computation (Beijing, China) (Carlos A. Coello Coello, ed.), 6-11 July 2014, pp. 813–818.
- [GCFL14] Yinan Guo, Meirong Chen, Haobo Fu, and Yun Liu, Find robust solutions over time by two-layer multi-objective optimization method, Proceedings of the 2014 IEEE Congress on Evolutionary Computation (Beijing, China) (Carlos A. Coello Coello, ed.), 6-11 July 2014, pp. 1528–1535.
- [GE14a] Robert Garden and Andries Engelbrecht, Analysis and classification of optimisation benchmark functions and benchmark suites, Proceedings of the 2014 IEEE Congress on Evolutionary Computation (Beijing, China) (Carlos A. Coello Coello, ed.), 6-11 July 2014, pp. 1641–1649.
- [GE14b] Kristina S. Georgieva and Andries P. Engelbrecht, Cooperative DynDE for temporal data clustering, Proceedings of the 2014 IEEE Congress on Evolutionary Computation (Beijing, China) (Carlos A. Coello Coello, ed.), 6-11 July 2014, pp. 437–444.
- [GEKY14] Jacomine Grobler, Andries P. Engelbrecht, Graham Kendall, and V.S.S. Yadavalli, Heuristic space diversity management in a meta-hyper-heuristic framework, Proceedings of the 2014 IEEE Congress on Evolutionary Computation (Beijing, China) (Carlos A. Coello Coello, ed.), 6-11 July 2014, pp. 1863–1869.
- [GESA14] Garrison Greenwood, Saber Elsayed, Ruhul Sarker, and Hussein Abbass, Online generation of trajectories for autonomous vehicles using a multi-agent system, Proceedings of the 2014 IEEE Congress on Evolutionary Computation (Beijing, China) (Carlos A. Coello Coello, ed.), 6-11 July 2014, pp. 1218–1224.
- [GK14] Kyrre Glette and Paul Kaufmann, Lookup table partial reconfiguration for an evolvable hardware classifier system, Proceedings of the 2014 IEEE Congress on Evolutionary Computation (Beijing, China) (Carlos A. Coello Coello, ed.), 6-11 July 2014, pp. 1706–1713.

- [GLDG14] Song Gao, Zhigang Liu, Chenxi Dai, and Xiao Geng, Application of BPSO with GA in model-based fault diagnosis of traction substation, Proceedings of the 2014 IEEE Congress on Evolutionary Computation (Beijing, China) (Carlos A. Coello Coello, ed.), 6-11 July 2014, pp. 2063–2069.
- [GPC14] Antonio Gonzalez-Pardo and David Camacho, A new CSP graph-based representation to resource-constrained project scheduling problem, Proceedings of the 2014 IEEE Congress on Evolutionary Computation (Beijing, China) (Carlos A. Coello Coello, ed.), 6-11 July 2014, pp. 344–351.
- [GPST14] Marco Gaudesi, Elio Piccolo, Giovanni Squillero, and Alberto Tonda, *TURAN:* Evolving non-deterministic players for the iterated prisoner's dilemma, Proceedings of the 2014 IEEE Congress on Evolutionary Computation (Beijing, China) (Carlos A. Coello Coello, ed.), 6-11 July 2014, pp. 21–27.
- [GS14] Jiangshao Gu and Xuanhua Shi, An adaptive PSO based on motivation mechanism and acceleration restraint operator, Proceedings of the 2014 IEEE Congress on Evolutionary Computation (Beijing, China) (Carlos A. Coello Coello, ed.), 6-11 July 2014, pp. 1328–1336.
- [GT14] Sen Bong Gee and Kay Chen Tan, Diversity preservation with hybrid recombination for evolutionary multiobjective optimization, Proceedings of the 2014 IEEE Congress on Evolutionary Computation (Beijing, China) (Carlos A. Coello Coello, ed.), 6-11 July 2014, pp. 1172–1178.
- [GWL14] Chao Gao, Thomas Weise, and Jinlong Li, A weighting-based local search heuristic algorithm for the set covering problem, Proceedings of the 2014 IEEE Congress on Evolutionary Computation (Beijing, China) (Carlos A. Coello Coello, ed.), 6-11 July 2014, pp. 826–831.
- [GYD14] Liang Gu, Peng Yang, and Yongqiang Dong, A dynamic-weighted collaborative filtering approach to address sparsity and adaptivity issues, Proceedings of the 2014 IEEE Congress on Evolutionary Computation (Beijing, China) (Carlos A. Coello Coello, ed.), 6-11 July 2014, pp. 3044–3050.
- [Han14] Hisashi Handa, Deep boltzmann machine for evolutionary agents of Mario AI, Proceedings of the 2014 IEEE Congress on Evolutionary Computation (Beijing, China) (Carlos A. Coello Coello, ed.), 6-11 July 2014, pp. 36–41.
- [HB14] Skander Htiouech and Sadok Bouamama, A Lagrangian and surrogate information enhanced tabu search for the MMKP, Proceedings of the 2014 IEEE Congress on Evolutionary Computation (Beijing, China) (Carlos A. Coello Coello, ed.), 6-11 July 2014, pp. 1461–1468.
- [HBX14] Zhongyi Hu, Yukun Bao, and Tao Xiong, Partial opposition-based adaptive differential evolution algorithms: Evaluation on the CEC 2014 benchmark set for real-parameter optimization, Proceedings of the 2014 IEEE Congress on Evolutionary Computation (Beijing, China) (Carlos A. Coello Coello, ed.), 6-11 July 2014, pp. 2259–2265.
- [HBZ14] Jun He, Mitavskiy Boris, and Yuren Zhou, A theoretical assessment of solution quality in evolutionary algorithms for the knapsack problem, Proceedings of the 2014 IEEE Congress on Evolutionary Computation (Beijing, China) (Carlos A. Coello Coello, ed.), 6-11 July 2014, pp. 141–148.
- [HC14] Tiantian He and Keith C.C. Chan, Evolutionary community detection in social networks, Proceedings of the 2014 IEEE Congress on Evolutionary Computation (Beijing, China) (Carlos A. Coello Coello, ed.), 6-11 July 2014, pp. 1496–1503.
- [HCGL14] Yudan Huo, Zhihua Cai, Wenyin Gong, and Qin Liu, A new adaptive kalman filter by combining evolutionary algorithm and fuzzy inference system, Proceedings of the 2014 IEEE Congress on Evolutionary Computation (Beijing, China) (Carlos A. Coello Coello, ed.), 6-11 July 2014, pp. 2893–2900.

- [HE14] Marde Helbig and Andries Engelbrecht, Heterogeneous dynamic vector evaluated particle swarm optimisation for dynamic multi-objective optimisation, Proceedings of the 2014 IEEE Congress on Evolutionary Computation (Beijing, China) (Carlos A. Coello Coello, ed.), 6-11 July 2014, pp. 3151–3159.
- [HJZ14] Rachel Hunt, Mark Johnston, and Mengjie Zhang, Evolving machine-specific dispatching rules for a two-machine job shop using genetic programming, Proceedings of the 2014 IEEE Congress on Evolutionary Computation (Beijing, China) (Carlos A. Coello Coello, ed.), 6-11 July 2014, pp. 618–625.
- [HL14] Xiao-Bing Hu and Mark S Leeson, Genetic algorithm with spatial receding horizon control for the optimization of facility locations, Proceedings of the 2014 IEEE Congress on Evolutionary Computation (Beijing, China) (Carlos A. Coello Coello, ed.), 6-11 July 2014, pp. 903–909.
- [HLX⁺14] Ping He, Ling Lu, Xiaohua Xu, Kanwen Li, Heng Qian, and Wei Zhang, Confidence-based ant random walks, Proceedings of the 2014 IEEE Congress on Evolutionary Computation (Beijing, China) (Carlos A. Coello Coello, ed.), 6-11 July 2014, pp. 1721–1728.
- [HOBE14] Kyle Harrison, Beatrice Ombuki-Berman, and Andries Engelbrecht, *Dynamic multi-objective optimization using charged vector evaluated particle swarm optimization*, Proceedings of the 2014 IEEE Congress on Evolutionary Computation (Beijing, China) (Carlos A. Coello Coello, ed.), 6-11 July 2014, pp. 1929–1936.
- [HP14] Sheldon Hui and Nagaratnam Suganthan Ponnuthurai, Niching-based self-adaptive ensemble DE with MMTS for solving dynamic optimization problems, Proceedings of the 2014 IEEE Congress on Evolutionary Computation (Beijing, China) (Carlos A. Coello Coello, ed.), 6-11 July 2014, pp. 1536–1541.
- [HSE14] Noha Hamza, Ruhul Sarker, and Daryl Essam, Differential evolution with a constraint consensus mutation for solving optimization problems, Proceedings of the 2014 IEEE Congress on Evolutionary Computation (Beijing, China) (Carlos A. Coello Coello, ed.), 6-11 July 2014, pp. 991–997.
- [HUM14] Medria Hardhienata, Valery Ugrinovskii, and Kathryn Merrick, *Task allocation under communication constraints using motivated particle swarm optimization*, Proceedings of the 2014 IEEE Congress on Evolutionary Computation (Beijing, China) (Carlos A. Coello Coello, ed.), 6-11 July 2014, pp. 3135–3142.
- [HWL14] Xiao-Bing Hu, Ming Wang, and Mark S Leeson, Calculating the complete Pareto front for a special class of continuous multi-objective optimization problems, Proceedings of the 2014 IEEE Congress on Evolutionary Computation (Beijing, China) (Carlos A. Coello Coello, ed.), 6-11 July 2014, pp. 290–297.
- [HYZ14] Wang Hu, Gary Yen, and Xin Zhang, Sensitivity analysis of parallel cell coordinate system in many-objective particle swarm optimization, Proceedings of the 2014 IEEE Congress on Evolutionary Computation (Beijing, China) (Carlos A. Coello Coello, ed.), 6-11 July 2014, pp. 2641–2648.
- [IJR⁺14] Zelinka Ivan, Lampinen Jouni, Senkerik Roman, Pluhacek Michal, and Davendra Donald, Evolutionary algorithms dynamics and its hidden complex network structures, Proceedings of the 2014 IEEE Congress on Evolutionary Computation (Beijing, China) (Carlos A. Coello Coello, ed.), 6-11 July 2014, pp. 3246–3251.
- [JDS14] Nanda Dulal Jana, Swagatam Das, and Jaya Sil, *Particle swarm optimization with population adaptation*, Proceedings of the 2014 IEEE Congress on Evolutionary Computation (Beijing, China) (Carlos A. Coello Coello, ed.), 6-11 July 2014, pp. 573–578.

- [JJA⁺14] Thair Judeh, Thaer Jayyousi, Lipi Acharya, Robert Reynolds, and Dongxiao Zhu, GSCA: Reconstructing biological pathway topologies using a cultural algorithms approach, Proceedings of the 2014 IEEE Congress on Evolutionary Computation (Beijing, China) (Carlos A. Coello Coello, ed.), 6-11 July 2014, pp. 2206–2213.
- [JJdLN14] Andreas Janecek, Tobias Jordan, and Fernando Buarque de Lima-Neto, Swarm/evolutionary intelligence for agent-based social simulation, Proceedings of the 2014 IEEE Congress on Evolutionary Computation (Beijing, China) (Carlos A. Coello Coello, ed.), 6-11 July 2014, pp. 2925–2932.
- [JJM14] Teran Juan, Aguilar Jose, and Cerrada Mariela, Cultural learning for multi-agent system and its application to fault management, Proceedings of the 2014 IEEE Congress on Evolutionary Computation (Beijing, China) (Carlos A. Coello Coello, ed.), 6-11 July 2014, pp. 2188–2195.
- [JWH⁺14] Qiaoyong Jiang, Lei Wang, Xinhong Hei, Rong Fei, Dongdong Yang, Feng Zou, Hongye Li, and Zijian Cao, Optimal approximation of stable linear systems with a novel and efficient optimization algorithm, Proceedings of the 2014 IEEE Congress on Evolutionary Computation (Beijing, China) (Carlos A. Coello Coello, ed.), 6-11 July 2014, pp. 840–844.
- [JY14a] Chatkaew Jariyatantiwait and Gary Yen, Fuzzy multiobjective differential evolution using performance metrics feedback, Proceedings of the 2014 IEEE Congress on Evolutionary Computation (Beijing, China) (Carlos A. Coello Coello, ed.), 6-11 July 2014, pp. 1959–1966.
- [JY14b] Shouyong Jiang and Shengxiang Yang, An improved quantum-behaved particle swarm optimization based on linear interpolation, Proceedings of the 2014 IEEE Congress on Evolutionary Computation (Beijing, China) (Carlos A. Coello Coello, ed.), 6-11 July 2014, pp. 769–775.
- [JY14c] Nanlin Jin and Xin Yao, Heuristic optimization for software project management with impacts of team efficiency, Proceedings of the 2014 IEEE Congress on Evolutionary Computation (Beijing, China) (Carlos A. Coello Coello, ed.), 6-11 July 2014, pp. 3016–3023.
- [JYH⁺14] Yunzhi Jiang, Zhenlun Yang, Zhifeng Hao, Yinglong Wang, and Huojiao He, *A cooperative honey bee mating algorithm and its application in multi-threshold image segmentation*, Proceedings of the 2014 IEEE Congress on Evolutionary Computation (Beijing, China) (Carlos A. Coello Coello, ed.), 6-11 July 2014, pp. 1579–1585.
- [KAA14] Amel Ksibi, Anis Ben Ammar, and Chokri Ben Amar, Enhancing relevance re-ranking using nature-inspired meta-heuristic optimization algorithms, Proceedings of the 2014 IEEE Congress on Evolutionary Computation (Beijing, China) (Carlos A. Coello Coello, ed.), 6-11 July 2014, pp. 1435–1442.
- [KBJdS14] Eugenius Kaszkurewicz, Amit Bhaya, Jayadeva Jayadeva, and Joao Marcos Meirelles da Silva, *The coupled EigenAnt algorithm for shortest path problems*, Proceedings of the 2014 IEEE Congress on Evolutionary Computation (Beijing, China) (Carlos A. Coello Coello, ed.), 6-11 July 2014, pp. 1729–1735.
- [KBJH14] Lee Ki-Baek and Kim Jong-Hwan, *DMOPSO: Dual multi-objective particle swarm optimization*, Proceedings of the 2014 IEEE Congress on Evolutionary Computation (Beijing, China) (Carlos A. Coello Coello, ed.), 6-11 July 2014, pp. 3096–3102.
- [Ke14a] Liangjun Ke, A cooperative approach between metaheuristic and branch-and-price for the team orienteering problem with time windows, Proceedings of the 2014 IEEE Congress on Evolutionary Computation (Beijing, China) (Carlos A. Coello Coello, ed.), 6-11 July 2014, pp. 1878–1882.

- [KE14b] Ronald Klazar and Andries Engelbrecht, Parameter optimization by means of statistical quality guides in F-Race, Proceedings of the 2014 IEEE Congress on Evolutionary Computation (Beijing, China) (Carlos A. Coello Coello, ed.), 6-11 July 2014, pp. 2547–2552.
- [KJXZ14] Fangjun Kuang, Zhong Jin, Weihong Xu, and Siyang Zhang, A novel chaotic artificial bee colony algorithm based on tent map, Proceedings of the 2014 IEEE Congress on Evolutionary Computation (Beijing, China) (Carlos A. Coello Coello, ed.), 6-11 July 2014, pp. 235–241.
- [KKOM14] Ahmed Kattan, Michael Kampouridis, Yew-Soon Ong, and Khalid Mehamdi, Transformation of input space using statistical moments: EA-based approach, Proceedings of the 2014 IEEE Congress on Evolutionary Computation (Beijing, China) (Carlos A. Coello Coello, ed.), 6-11 July 2014, pp. 2499–2506.
- [KLQ14a] Borhan Kazimipour, Xiaodong Li, and A.K. Qin, Effects of population initialization on differential evolution for large scale optimization, Proceedings of the 2014 IEEE Congress on Evolutionary Computation (Beijing, China) (Carlos A. Coello Coello, ed.), 6-11 July 2014, pp. 2404–2411.
- [KLQ14b] _____, A review of population initialization techniques for evolutionary algorithms, Proceedings of the 2014 IEEE Congress on Evolutionary Computation (Beijing, China) (Carlos A. Coello Coello, ed.), 6-11 July 2014, pp. 2585–2592.
- [KM14] Muhammad Rezaul Karim and Malek Mouhoub, Coevolutionary genetic algorithm for variable ordering in CSPs, Proceedings of the 2014 IEEE Congress on Evolutionary Computation (Beijing, China) (Carlos A. Coello Coello, ed.), 6-11 July 2014, pp. 2716–2723.
- [KMS14] Tipaluck Krityakierne, Juliane Mueller, and Christine Shoemaker, SO-MODS: Optimization for high dimensional computationally expensive multi-modal functions with surrogate search, Proceedings of the 2014 IEEE Congress on Evolutionary Computation (Beijing, China) (Carlos A. Coello Coello, ed.), 6-11 July 2014, pp. 1092–1099.
- [KN14] Tomas Kren and Roman Neruda, Generating lambda term individuals in typed genetic programming using forgetful A*, Proceedings of the 2014 IEEE Congress on Evolutionary Computation (Beijing, China) (Carlos A. Coello Coello, ed.), 6-11 July 2014, pp. 1847–1854.
- [KOLQ14] Borhan Kazimipour, Mohammad Nabi Omidvar, Xiaodong Li, and A.K. Qin, A novel hybridization of opposition-based learning and cooperative co-evolutionary for large-scale optimization, Proceedings of the 2014 IEEE Congress on Evolutionary Computation (Beijing, China) (Carlos A. Coello Coello, ed.), 6-11 July 2014, pp. 2833–2840.
- [KTBB14] Damla Kizilay, M. Fatih Tasgetiren, Onder Bulut, and Bilgehan Bostan, A discrete artificial bee colony algorithm for the parallel machine scheduling problem in DYO painting company, Proceedings of the 2014 IEEE Congress on Evolutionary Computation (Beijing, China) (Carlos A. Coello Coello, ed.), 6-11 July 2014, pp. 653–660.
- [KTG⁺14] Bartosz Krawczyk, Isaac Triguero, Salvador Garcia, Michal Wozniak, and Francisco Herrera, A first attempt on evolutionary prototype reduction for nearest neighbor one-class classification, Proceedings of the 2014 IEEE Congress on Evolutionary Computation (Beijing, China) (Carlos A. Coello Coello, ed.), 6-11 July 2014, pp. 747–753.
- [KZS14] Pavel Kromer, Ivan Zelinka, and Vaclav Snasel, Can deterministic chaos improve differential evolution for the linear ordering problem?, Proceedings of the 2014 IEEE Congress on Evolutionary Computation (Beijing, China) (Carlos A. Coello Coello, ed.), 6-11 July 2014, pp. 1443–1448.

- [KZW+14] Li Kuang, Zhiyong Zhao, Feng Wang, Yuanxiang Li, Fei Yu, and Zhijie Li, A differential evolution box-covering algorithm for fractal dimension on complex networks,
 Proceedings of the 2014 IEEE Congress on Evolutionary Computation (Beijing, China) (Carlos A. Coello Coello, ed.), 6-11 July 2014, pp. 693–699.
- [LCCFL14] Raul Lara-Cabrera, Carlos Cotta, and Antonio J. Fernandez-Leiva, A self-adaptive evolutionary approach to the evolution of aesthetic maps for a RTS game, Proceedings of the 2014 IEEE Congress on Evolutionary Computation (Beijing, China) (Carlos A. Coello Coello, ed.), 6-11 July 2014, pp. 298–304.
- [LCG14] Bai Li, Raymond Chiong, and Ligang Gong, Search-evasion path planning for submarines using the artificial bee colony algorithm, Proceedings of the 2014 IEEE Congress on Evolutionary Computation (Beijing, China) (Carlos A. Coello Coello, ed.), 6-11 July 2014, pp. 528–535.
- [LCN14] Yun-Chia Liang, Hsiang-Ling Chen, and Yung-Hsiang Nien, Artificial bee colony for workflow scheduling, Proceedings of the 2014 IEEE Congress on Evolutionary Computation (Beijing, China) (Carlos A. Coello Coello, ed.), 6-11 July 2014, pp. 558–564.
- [LCT14] Xin-Lan Liao, Chih-Hung Chien, and Chuan-Kang Ting, A genetic algorithm for the minimum latency pickup and delivery problem, Proceedings of the 2014 IEEE Congress on Evolutionary Computation (Beijing, China) (Carlos A. Coello Coello, ed.), 6-11 July 2014, pp. 3272–3279.
- [LCZ⁺14] Bo Liu, Qin Chen, Qingfu Zhang, Goerges Gielen, and Vic Grout, *Behavioral study of the surrogate model-aware evolutionary search framework*, Proceedings of the 2014 IEEE Congress on Evolutionary Computation (Beijing, China) (Carlos A. Coello Coello, ed.), 6-11 July 2014, pp. 715–722.
- [LgCW14] Jiang Liu, Bai gen Cai, and Jian Wang, Particle swarm optimization for integrity monitoring in BDS/DR based railway train positioning, Proceedings of the 2014 IEEE Congress on Evolutionary Computation (Beijing, China) (Carlos A. Coello Coello, ed.), 6-11 July 2014, pp. 792–797.
- [LH14] Po-Ming Lee and Tzu-Chien Hsiao, Applying LCS to affective images classification in spatial-frequency domain, Proceedings of the 2014 IEEE Congress on Evolutionary Computation (Beijing, China) (Carlos A. Coello Coello, ed.), 6-11 July 2014, pp. 1690–1697.
- [LHFC⁺14] Roberto Erick Lopez-Herrejon, Javier Ferrer, Francisco Chicano, Alexander Egyed, and Enrique Alba, Comparative analysis of classical multi-objective evolutionary algorithms and seeding strategies for pairwise testing of software product lines, Proceedings of the 2014 IEEE Congress on Evolutionary Computation (Beijing, China) (Carlos A. Coello Coello, ed.), 6-11 July 2014, pp. 387–396.
- [LHH14a] Xianneng Li, Wen He, and Kotaro Hirasawa, Adaptive genetic network programming, Proceedings of the 2014 IEEE Congress on Evolutionary Computation (Beijing, China) (Carlos A. Coello Coello, ed.), 6-11 July 2014, pp. 1808–1815.
- [LHH14b] ______, Creating stock trading rules using graph-based estimation of distribution algorithm, Proceedings of the 2014 IEEE Congress on Evolutionary Computation (Beijing, China) (Carlos A. Coello Coello, ed.), 6-11 July 2014, pp. 731–738.
- [LHH14c] ______, Generalized classifier system: Evolving classifiers with cyclic conditions, Proceedings of the 2014 IEEE Congress on Evolutionary Computation (Beijing, China) (Carlos A. Coello Coello, ed.), 6-11 July 2014, pp. 1682–1689.
- [LHH14d] ______, Learning and evolution of genetic network programming with knowledge transfer, Proceedings of the 2014 IEEE Congress on Evolutionary Computation (Beijing, China) (Carlos A. Coello Coello, ed.), 6-11 July 2014, pp. 798–805.

- [LHH14e] James Liu, Yulin He, and Yanxing Hu, Regression ensemble with PSO algorithms based fuzzy integral, Proceedings of the 2014 IEEE Congress on Evolutionary Computation (Beijing, China) (Carlos A. Coello Coello, ed.), 6-11 July 2014, pp. 762–768.
- [LHH14f] Yongxin Luo, Sheng Huang, and Jinglu Hu, A niching two-layered differential evolution with self-adaptive control parameters, Proceedings of the 2014 IEEE Congress on Evolutionary Computation (Beijing, China) (Carlos A. Coello Coello, ed.), 6-11 July 2014, pp. 1405–1412.
- [LJW⁺14] Mengshi Li, Tianyao Ji, Peter Wu, Shan He, and Qinghua Wu, *Protein folding estimation using paired-bacteria optimizer*, Proceedings of the 2014 IEEE Congress on Evolutionary Computation (Beijing, China) (Carlos A. Coello Coello, ed.), 6-11 July 2014, pp. 2027–2032.
- [LK14] Fabrice Lauri and Abder Koukam, *Hybrid ACO/EA algorithms applied to the multi-agent patrolling problem*, Proceedings of the 2014 IEEE Congress on Evolutionary Computation (Beijing, China) (Carlos A. Coello Coello, ed.), 6-11 July 2014, pp. 250–257.
- [LL14a] Can Liu and Bin Li, Memetic algorithm with adaptive local search depth for large scale global optimization, Proceedings of the 2014 IEEE Congress on Evolutionary Computation (Beijing, China) (Carlos A. Coello Coello, ed.), 6-11 July 2014, pp. 82–88.
- [LL14b] Wan-Yu Liu and Chun-Cheng Lin, A cultural algorithm for spatial forest harvest scheduling, Proceedings of the 2014 IEEE Congress on Evolutionary Computation (Beijing, China) (Carlos A. Coello Coello, ed.), 6-11 July 2014, pp. 1273–1276.
- [LLP14] Valerio Lattarulo, Benjamin A. Lindley, and Geoffrey T. Parks, Application of the MOAA for the optimization of CORAIL assemblies for nuclear reactors, Proceedings of the 2014 IEEE Congress on Evolutionary Computation (Beijing, China) (Carlos A. Coello Coello, ed.), 6-11 July 2014, pp. 1413–1420.
- [LLTY14] Bingdong Li, Jinlong Li, Ke Tang, and Xin Yao, An improved two archive algorithm for many-objective optimization, Proceedings of the 2014 IEEE Congress on Evolutionary Computation (Beijing, China) (Carlos A. Coello Coello, ed.), 6-11 July 2014, pp. 2869–2876.
- [LLZL14] Geoffrey Lee, Min Luo, Fabio Zambetta, and Xiaodong Li, Learning a Super Mario controller from examples of human play, Proceedings of the 2014 IEEE Congress on Evolutionary Computation (Beijing, China) (Carlos A. Coello Coello, ed.), 6-11 July 2014, pp. 1–8.
- [LM14] Seung-Mok Lee and Hyun Myung, A cooperative coevolutionary approach to multirobot formation control, Proceedings of the 2014 IEEE Congress on Evolutionary Computation (Beijing, China) (Carlos A. Coello Coello, ed.), 6-11 July 2014, pp. 1225– 1231.
- [LMY14] Lin Lin, Gen Mitsuo, and Liang Yan, A hybrid EA for high-dimensional subspace clustering problem, Proceedings of the 2014 IEEE Congress on Evolutionary Computation (Beijing, China) (Carlos A. Coello Coello, ed.), 6-11 July 2014, pp. 2855–2860.
- [LNCL14] Man Fai Leung, Sin Chun Ng, Chi Chung Cheung, and Andrew K Lui, *A new strategy for finding good local guides in MOPSO*, Proceedings of the 2014 IEEE Congress on Evolutionary Computation (Beijing, China) (Carlos A. Coello Coello, ed.), 6-11 July 2014, pp. 1990–1997.
- [LNJ14] Ruochen Liu, Xu Niu, and Licheng Jiao, A multi-swarm particle swarm optimization with orthogonal learning for locating and tracking multiple optima in dynamic environments, Proceedings of the 2014 IEEE Congress on Evolutionary Computation (Beijing, China) (Carlos A. Coello Coello, ed.), 6-11 July 2014, pp. 754–761.

- [LO14] Menglin Li and Colm O'Riordan, Graph centrality measures and the robustness of cooperation, Proceedings of the 2014 IEEE Congress on Evolutionary Computation (Beijing, China) (Carlos A. Coello Coello, ed.), 6-11 July 2014, pp. 1232–1237.
- [Lot14] Marcelo Lotif, Visualizing the population of meta-heuristics during the optimization process using self-organizing maps, Proceedings of the 2014 IEEE Congress on Evolutionary Computation (Beijing, China) (Carlos A. Coello Coello, ed.), 6-11 July 2014, pp. 313–319.
- [LQSS14] J. J. Liang, B. Y. Qu, H. Song, and Z. G. Shang, Memetic differential evolution based on fitness Euclidean-distance ratio, Proceedings of the 2014 IEEE Congress on Evolutionary Computation (Beijing, China) (Carlos A. Coello Coello, ed.), 6-11 July 2014, pp. 2266–2273.
- [LSCS14] Vitor Leite, Carlos Silva, Joao Claro, and Joao M. C. Sousa, Optimization of power flow with energy storage using genetic algorithms, Proceedings of the 2014 IEEE Congress on Evolutionary Computation (Beijing, China) (Carlos A. Coello Coello, ed.), 6-11 July 2014, pp. 2678–2684.
- [LSLN14] Sai Ho Ling, Phyo Phyo San, Hak Keung Lam, and Hung Nguyen, Non-invasive detection of hypoglycemic episodes in type1 diabetes using intelligent hybrid rough neural system, Proceedings of the 2014 IEEE Congress on Evolutionary Computation (Beijing, China) (Carlos A. Coello Coello, ed.), 6-11 July 2014, pp. 1238–1242.
- [LSLQ14a] Zhihui Li, Zhigang Shang, J. J. Liang, and B. Y. Qu, Differential evolution strategy based on the constraint of fitness values classification, Proceedings of the 2014 IEEE Congress on Evolutionary Computation (Beijing, China) (Carlos A. Coello Coello, ed.), 6-11 July 2014, pp. 1454–1460.
- [LSLQ14b] _____, Feature selection based on manifold-learning with dynamic constraint-handling differential evolution, Proceedings of the 2014 IEEE Congress on Evolutionary Computation (Beijing, China) (Carlos A. Coello Coello, ed.), 6-11 July 2014, pp. 332–337.
- [LSO14] Chang Luo, Koji Shimoyama, and Shigeru Obayashi, Kriging model based manyobjective optimization with efficient calculation of expected hypervolume improvement,
 Proceedings of the 2014 IEEE Congress on Evolutionary Computation (Beijing, China)
 (Carlos A. Coello Coello, ed.), 6-11 July 2014, pp. 1187–1194.
- [LSR14a] Min Liu, Hemant Singh, and Tapabrata Ray, A benchmark generator for dynamic capacitated arc routing problems, Proceedings of the 2014 IEEE Congress on Evolutionary Computation (Beijing, China) (Carlos A. Coello Coello, ed.), 6-11 July 2014, pp. 579–586.
- [LSR14b] ______, A memetic algorithm with a new split scheme for solving dynamic capacitated arc routing problems, Proceedings of the 2014 IEEE Congress on Evolutionary Computation (Beijing, China) (Carlos A. Coello Coello, ed.), 6-11 July 2014, pp. 595–602.
- [LSZJ14] Tong Liu, Chaoli Sun, Jianchao Zeng, and Yaochu Jin, Similarity- and reliability-assisted fitness estimation for particle swarm optimization of expensive problems, Proceedings of the 2014 IEEE Congress on Evolutionary Computation (Beijing, China) (Carlos A. Coello Coello, ed.), 6-11 July 2014, pp. 640–646.
- [LTJZ14] Yangyang Li, Xiaolong Tian, Licheng Jiao, and Xiangrong Zhang, Biclustering of gene expression data using particle swarm optimization integrated with pattern-driven local search, Proceedings of the 2014 IEEE Congress on Evolutionary Computation (Beijing, China) (Carlos A. Coello Coello, ed.), 6-11 July 2014, pp. 1367–1373.

- [LWLT14] Kuicheng Lin, Xue Wang, Xuanping Li, and Yuqi Tan, Self-adaptive morphable model based multi-view non-cooperative 3D face reconstruction, Proceedings of the 2014 IEEE Congress on Evolutionary Computation (Beijing, China) (Carlos A. Coello Coello, ed.), 6-11 July 2014, pp. 320–325.
- [LWW⁺14a] Huichao Liu, Zhijian Wu, Hui Wang, Shahryar Rahnamayan, and Changshou Deng, Improved differential evolution with adaptive opposition strategy, Proceedings of the 2014 IEEE Congress on Evolutionary Computation (Beijing, China) (Carlos A. Coello Coello, ed.), 6-11 July 2014, pp. 1776–1783.
- [LWW+14b] W.Z. Low, J. De Weerdt, M.T. Wynn, A.H.M. ter Hofstede, W.M.P. van der Aalst, and S. vanden Broucke, Perturbing event logs to identify cost reduction opportunities: A genetic algorithm-based approach, Proceedings of the 2014 IEEE Congress on Evolutionary Computation (Beijing, China) (Carlos A. Coello Coello, ed.), 6-11 July 2014, pp. 2428–2435.
- [LYL14] Miqing Li, Shengxiang Yang, and Xiaohui Liu, A test problem for visual investigation of high-dimensional multi-objective search, Proceedings of the 2014 IEEE Congress on Evolutionary Computation (Beijing, China) (Carlos A. Coello Coello, ed.), 6-11 July 2014, pp. 2140–2147.
- [LZ14] Jie Li and Junqi Zhang, Using estimation of distribution algorithm to coordinate decentralized learning automata for meta-task scheduling, Proceedings of the 2014 IEEE Congress on Evolutionary Computation (Beijing, China) (Carlos A. Coello Coello, ed.), 6-11 July 2014, pp. 2077–2084.
- [LZD14] Hui Li, Qingfu Zhang, and Jingda Deng, Multiobjective test problems with complicated Pareto fronts: Difficulties in degeneracy, Proceedings of the 2014 IEEE Congress on Evolutionary Computation (Beijing, China) (Carlos A. Coello Coello, ed.), 6-11 July 2014, pp. 2156–2163.
- [LZL14] Fei Li, Yuting Zhang, and Haibo Li, Quantum bacterial foraging optimization algorithm, Proceedings of the 2014 IEEE Congress on Evolutionary Computation (Beijing, China) (Carlos A. Coello Coello, ed.), 6-11 July 2014, pp. 1265–1272.
- [LZQS14] J. J. Liang, B. Zheng, B. Y. Qu, and H. Song, Multi-objective differential evolution algorithm based on fast sorting and a novel constraints handling technique, Proceedings of the 2014 IEEE Congress on Evolutionary Computation (Beijing, China) (Carlos A. Coello Coello, ed.), 6-11 July 2014, pp. 445–450.
- [LZT14a] Junzhi Li, Shaoqiu Zheng, and Ying Tan, Adaptive fireworks algorithm, Proceedings of the 2014 IEEE Congress on Evolutionary Computation (Beijing, China) (Carlos A. Coello Coello, ed.), 6-11 July 2014, pp. 3214–3221.
- [LZT14b] Jianhua Liu, Shaoqu Zheng, and Ying Tan, Analysis on global convergence and time complexity of fireworks algorithm, Proceedings of the 2014 IEEE Congress on Evolutionary Computation (Beijing, China) (Carlos A. Coello Coello, ed.), 6-11 July 2014, pp. 3207–3213.
- [LZW⁺14] Min Liu, Jinhua Zheng, Junnian Wang, Yuzhen Liu, and Lei Jiang, An adaptive diversity introduction method for dynamic evolutionary multiobjective optimization, Proceedings of the 2014 IEEE Congress on Evolutionary Computation (Beijing, China) (Carlos A. Coello Coello, ed.), 6-11 July 2014, pp. 3160–3167.
- [LZWY14a] Zezhou Li, Junqi Zhang, Wei Wang, and Jing Yao, Dimensions cooperate by Euclidean metric in particle swarm optimization, Proceedings of the 2014 IEEE Congress on Evolutionary Computation (Beijing, China) (Carlos A. Coello Coello, ed.), 6-11 July 2014, pp. 1359–1366.

- [LZWY14b] Haiming Liu, Jiong Zhou, Xinsheng Wu, and Peng Yuan, Optimization algorithm for rectangle packing problem based on varied-factor genetic algorithm and lowest front-line strategy, Proceedings of the 2014 IEEE Congress on Evolutionary Computation (Beijing, China) (Carlos A. Coello Coello, ed.), 6-11 July 2014, pp. 352–357.
- [LZZ14a] Yang Li, Aimin Zhou, and Guixu Zhang, An MOEA/D with multiple differential evolution mutation operators, Proceedings of the 2014 IEEE Congress on Evolutionary Computation (Beijing, China) (Carlos A. Coello Coello, ed.), 6-11 July 2014, pp. 397–404.
- [LZZ14b] Qiuxiao Liao, Aimin Zhou, and Guixu Zhang, A locally weighted metamodel for preselection in evolutionary optimization, Proceedings of the 2014 IEEE Congress on Evolutionary Computation (Beijing, China) (Carlos A. Coello Coello, ed.), 6-11 July 2014, pp. 2483–2490.
- [MA14] Amiram Moshaiov and Omer Abramovich, Is MO-CMA-ES superior to NSGA-II for the evolution of multi-objective neuro-controllers?, Proceedings of the 2014 IEEE Congress on Evolutionary Computation (Beijing, China) (Carlos A. Coello Coello, ed.), 6-11 July 2014, pp. 2809–2816.
- [MBB14] Francisco Manfrini, Helio Barbosa, and Heder Bernadino, Optimization of combinational logic circuits through decomposition of truth table and evolution of sub-circuits, Proceedings of the 2014 IEEE Congress on Evolutionary Computation (Beijing, China) (Carlos A. Coello Coello, ed.), 6-11 July 2014, pp. 945–950.
- [MBC14] Hector D. Menendez, David F. Barrero, and David Camacho, A co-evolutionary multiobjective approach for a k-adaptive graph-based clustering algorithm, Proceedings of the 2014 IEEE Congress on Evolutionary Computation (Beijing, China) (Carlos A. Coello Coello, ed.), 6-11 July 2014, pp. 2724–2731.
- [MC14] Saul Zapotecas Martinez and Carlos A. Coello Coello, A multi-objective evolutionary algorithm based on decomposition for constrained multi-objective optimization, Proceedings of the 2014 IEEE Congress on Evolutionary Computation (Beijing, China) (Carlos A. Coello Coello, ed.), 6-11 July 2014, pp. 429–436.
- [mCG14] Yiu ming Cheung and Fangqing Gu, Online objective reduction for many-objective optimization problems, Proceedings of the 2014 IEEE Congress on Evolutionary Computation (Beijing, China) (Carlos A. Coello Coello, ed.), 6-11 July 2014, pp. 1165–1171.
- [MCGF14] James Montgomery, Stephen Chen, and Yasser Gonzalez-Fernandez, *Identifying and exploiting the scale of a search space in differential evolution*, Proceedings of the 2014 IEEE Congress on Evolutionary Computation (Beijing, China) (Carlos A. Coello Coello, ed.), 6-11 July 2014, pp. 1427–1434.
- [MCP14a] Ana Madureira, Bruno Cunha, and Ivo Pereira, Cooperation mechanism for distributed resource scheduling through artificial bee colony based self-organized scheduling system, Proceedings of the 2014 IEEE Congress on Evolutionary Computation (Beijing, China) (Carlos A. Coello Coello, ed.), 6-11 July 2014, pp. 565–572.
- [MCP14b] Oliviu Matei, Diana Contras, and Petrica Pop, Applying evolutionary computation for evolving ontologies, Proceedings of the 2014 IEEE Congress on Evolutionary Computation (Beijing, China) (Carlos A. Coello Coello, ed.), 6-11 July 2014, pp. 1520–1527.
- [MD14] Magdalena Metlicka and Donald Davendra, *Chaos-driven discrete artificial bee colony*, Proceedings of the 2014 IEEE Congress on Evolutionary Computation (Beijing, China) (Carlos A. Coello Coello, ed.), 6-11 July 2014, pp. 2947–2954.

- [MDAS14] Ingo Mauser, Marita Dorscheid, Florian Allerding, and Hartmut Schmeck, Encodings for evolutionary algorithms in smart buildings with energy management systems, Proceedings of the 2014 IEEE Congress on Evolutionary Computation (Beijing, China) (Carlos A. Coello Coello, ed.), 6-11 July 2014, pp. 2361–2366.
- [MdCC14] Renato Maia, Leandro de Castro, and Walmir Caminhas, Real-parameter optimization with OptBees, Proceedings of the 2014 IEEE Congress on Evolutionary Computation (Beijing, China) (Carlos A. Coello Coello, ed.), 6-11 July 2014, pp. 2649–2655.
- [ME14] Katherine Malan and Andries Engelbrecht, A progressive random walk algorithm for sampling continuous fitness landscapes, Proceedings of the 2014 IEEE Congress on Evolutionary Computation (Beijing, China) (Carlos A. Coello Coello, ed.), 6-11 July 2014, pp. 2507–2514.
- [MGG14] Matheus Menezes, Marco Goldbarg, and Elizabeth Goldbarg, A memetic algorithm for the prize collecting traveling car renter problem, Proceedings of the 2014 IEEE Congress on Evolutionary Computation (Beijing, China) (Carlos A. Coello Coello, ed.), 6-11 July 2014, pp. 3258–3265.
- [MLH14] Daniel Molina, Benjamin Lacroix, and Francisco Herrera, Influence of regions on the memetic algorithm for the special session on real-parameter single objetive optimisation, Proceedings of the 2014 IEEE Congress on Evolutionary Computation (Beijing, China) (Carlos A. Coello Coello, ed.), 6-11 July 2014, pp. 1633–1640.
- [MLWJ14] Jingjing Ma, Yu Lei, Zhao Wang, and Licheng Jiao, A memetic algorithm based on immune multi-objective optimization for flexible job-shop scheduling problems, Proceedings of the 2014 IEEE Congress on Evolutionary Computation (Beijing, China) (Carlos A. Coello Coello, ed.), 6-11 July 2014, pp. 58–65.
- [MLY14] Yi Mei, Xiaodong Li, and Xin Yao, Variable neighborhood decomposition for large scale capacitated arc routing problem, Proceedings of the 2014 IEEE Congress on Evolutionary Computation (Beijing, China) (Carlos A. Coello Coello, ed.), 6-11 July 2014, pp. 1313–1320.
- [MMC14] Adriana Menchaca-Mendez and Carlos A. Coello Coello, MD-MOEA: A new MOEA based on the maximin fitness function and Euclidean distances between solutions, Proceedings of the 2014 IEEE Congress on Evolutionary Computation (Beijing, China) (Carlos A. Coello Coello, ed.), 6-11 July 2014, pp. 2148–2155.
- [MMZ14] Luca Marchetti, Vincenzo Manca, and Ivan Zelinka, On the inference of deterministic chaos: Evolutionary algorithm and metabolic P system approaches, Proceedings of the 2014 IEEE Congress on Evolutionary Computation (Beijing, China) (Carlos A. Coello Coello, ed.), 6-11 July 2014, pp. 1483–1489.
- [MND+14] Luiz Martins, Ricardo Nobre, Alexandre Delbem, Eduardo Marques, and Joao Cardoso, A clustering-based approach for exploring sequences of compiler optimizations, Proceedings of the 2014 IEEE Congress on Evolutionary Computation (Beijing, China) (Carlos A. Coello Coello, ed.), 6-11 July 2014, pp. 2436–2443.
- [MNI14] Hiroyuki Masuda, Yusuke Nojima, and Hisao Ishibuchi, Visual examination of the behavior of EMO algorithms for many-objective optimization with many decision variables, Proceedings of the 2014 IEEE Congress on Evolutionary Computation (Beijing, China) (Carlos A. Coello Coello, ed.), 6-11 July 2014, pp. 2633–2640.
- [MNM14] Ezequiel Di Mario, Inaki Navarro, and Alcherio Martinoli, Analysis of fitness noise in particle swarm optimization: From robotic learning to benchmark functions, Proceedings of the 2014 IEEE Congress on Evolutionary Computation (Beijing, China) (Carlos A. Coello Coello, ed.), 6-11 July 2014, pp. 2785–2792.

- [MOLD14] Asad Mohammadi, Mohammad Nabi Omidvar, Xiaodong Li, and Kalyanmoy Deb, Integrating user preferences and decomposition methods for many-objective optimization, Proceedings of the 2014 IEEE Congress on Evolutionary Computation (Beijing, China) (Carlos A. Coello Coello, ed.), 6-11 July 2014, pp. 421–428.
- [MPC14] Hector D. Menendez, Laura Plaza, and David Camacho, Combining graph connectivity and genetic clustering to improve biomedical summarization, Proceedings of the 2014 IEEE Congress on Evolutionary Computation (Beijing, China) (Carlos A. Coello Coello, ed.), 6-11 July 2014, pp. 2740–2747.
- [MS14a] Michael Mayo and Quan Sun, Evolving artificial datasets to improve interpretable classifiers, Proceedings of the 2014 IEEE Congress on Evolutionary Computation (Beijing, China) (Carlos A. Coello Coello, ed.), 6-11 July 2014, pp. 2367–2374.
- [MS14b] Andrew McNabb and Kevin Seppi, Serial PSO results are irrelevant in a multi-core parallel world, Proceedings of the 2014 IEEE Congress on Evolutionary Computation (Beijing, China) (Carlos A. Coello Coello, ed.), 6-11 July 2014, pp. 3143–3150.
- [MSR14] Sedigheh Mahdavi, Mohammad Ebrahim Shiri, and Shahryar Rahnamayan, Cooperative co-evolution with a new decomposition method for large-scale optimization, Proceedings of the 2014 IEEE Congress on Evolutionary Computation (Beijing, China) (Carlos A. Coello Coello, ed.), 6-11 July 2014, pp. 1285–1292.
- [MT14] Amiram Moshaiov and Amir Tal, Family bootstrapping: A genetic transfer learning approach for onsetting the evolution for a set of related robotic tasks, Proceedings of the 2014 IEEE Congress on Evolutionary Computation (Beijing, China) (Carlos A. Coello Coello, ed.), 6-11 July 2014, pp. 2801–2808.
- [MV14a] Luca Masi and Massimiliano Vasile, A multidirectional Physarum solver for the automated design of space trajectories, Proceedings of the 2014 IEEE Congress on Evolutionary Computation (Beijing, China) (Carlos A. Coello Coello, ed.), 6-11 July 2014, pp. 2992–2999.
- [MV14b] Edmondo Minisci and Massimiliano Vasile, Adaptive inflationary differential evolution, Proceedings of the 2014 IEEE Congress on Evolutionary Computation (Beijing, China) (Carlos A. Coello Coello, ed.), 6-11 July 2014, pp. 1792–1799.
- [MVJ14] Eddy Mesa, Juan David Velasquez, and Patricia Jaramillo, *A new self-adaptive PSO based on the identification of planar regions*, Proceedings of the 2014 IEEE Congress on Evolutionary Computation (Beijing, China) (Carlos A. Coello Coello, ed.), 6-11 July 2014, pp. 1937–1943.
- [MWLN14] Rammohan Mallipeddi, Guohua Wu, Minho Lee, and Suganthan Ponnuthurai Nagaratnam, Gaussian adaptation based parameter adaptation for differential evolution, Proceedings of the 2014 IEEE Congress on Evolutionary Computation (Beijing, China) (Carlos A. Coello Coello, ed.), 6-11 July 2014, pp. 1760–1767.
- [MXLJ14] Caihong Mu, Jin Xie, Ruochen Liu, and Licheng Jiao, A memetic algorithm using local structural information for detecting community structure in complex networks, Proceedings of the 2014 IEEE Congress on Evolutionary Computation (Beijing, China) (Carlos A. Coello Coello, ed.), 6-11 July 2014, pp. 680–686.
- [MY14a] Michalis Mavrovouniotis and Shengxiang Yang, Elitism-based immigrants for ant colony optimization in dynamic environments: Adapting the replacement rate, Proceedings of the 2014 IEEE Congress on Evolutionary Computation (Beijing, China) (Carlos A. Coello Coello, ed.), 6-11 July 2014, pp. 1752–1759.
- [MY14b] ______, Interactive and non-interactive hybrid immigrants schemes for ant algorithms in dynamic environments, Proceedings of the 2014 IEEE Congress on Evolutionary Computation (Beijing, China) (Carlos A. Coello Coello, ed.), 6-11 July 2014, pp. 1542–1549.

- [MZJ14] Caihong Mu, Jian Zhang, and Licheng Jiao, An intelligent ant colony optimization for community detection in complex networks, Proceedings of the 2014 IEEE Congress on Evolutionary Computation (Beijing, China) (Carlos A. Coello Coello, ed.), 6-11 July 2014, pp. 700–706.
- [MZWY14] Ji Ma, Junqi Zhang, Wei Wang, and Jing Yao, *Phase transition particle swarm optimization*, Proceedings of the 2014 IEEE Congress on Evolutionary Computation (Beijing, China) (Carlos A. Coello Coello, ed.), 6-11 July 2014, pp. 2531–2538.
- [MZZ14a] Ailong Ma, Yanfei Zhong, and Liangpei Zhang, Remote sensing imagery clustering using an adaptive bi-objective memetic method, Proceedings of the 2014 IEEE Congress on Evolutionary Computation (Beijing, China) (Carlos A. Coello Coello, ed.), 6-11 July 2014, pp. 50–57.
- [MZZ⁺14b] Wenping Ma, Yi Zuo, Jiulin Zeng, Shuang Liang, and Licheng Jiao, *A memetic algorithm for solving flexible job-shop scheduling problems*, Proceedings of the 2014 IEEE Congress on Evolutionary Computation (Beijing, China) (Carlos A. Coello Coello, ed.), 6-11 July 2014, pp. 66–73.
- [NB14] Ben Niu and Ying Bi, Binary bacterial foraging optimization for solving 0/1 knapsack problem, Proceedings of the 2014 IEEE Congress on Evolutionary Computation (Beijing, China) (Carlos A. Coello Coello, ed.), 6-11 July 2014, pp. 647–652.
- [NBH14] Syed Saud Naqvi, Will N. Browne, and Christopher Hollitt, Genetic algorithms based feature combination for salient object detection, for autonomously identified image domain types, Proceedings of the 2014 IEEE Congress on Evolutionary Computation (Beijing, China) (Carlos A. Coello Coello, ed.), 6-11 July 2014, pp. 109–116.
- [NCC⁺14] Marco S. Nobile, Andrea G. Citrolo, Paolo Cazzaniga, Daniela Besozzi, and Giancarlo Mauri, A memetic hybrid method for the molecular distance geometry problem with incomplete information, Proceedings of the 2014 IEEE Congress on Evolutionary Computation (Beijing, China) (Carlos A. Coello Coello, ed.), 6-11 July 2014, pp. 1014–1021.
- [NCY14] Qingjian Ni, Cen Cao, and Xushan Yin, A new dynamic probabilistic particle swarm optimization with dynamic random population topology, Proceedings of the 2014 IEEE Congress on Evolutionary Computation (Beijing, China) (Carlos A. Coello Coello, ed.), 6-11 July 2014, pp. 1321–1327.
- [NI14] Mari Nishiyama and Hitoshi Iba, Applying conversion matrix to robots for imitating motion using genetic algorithms, Proceedings of the 2014 IEEE Congress on Evolutionary Computation (Beijing, China) (Carlos A. Coello Coello, ed.), 6-11 July 2014, pp. 938–944.
- [NLT⁺14] Tien Thanh Nguyen, Alan Wee-Chung Liew, Minh Toan Tran, Xuan Cuong Pham, and Mai Phuong Nguyen, A novel genetic algorithm approach for simultaneous feature and classifier selection in multi classifier system, Proceedings of the 2014 IEEE Congress on Evolutionary Computation (Beijing, China) (Carlos A. Coello Coello, ed.), 6-11 July 2014, pp. 1698–1705.
- [NNT14] Tung Nguyen, Kien Nguyen, and Ruck Thawonmas, Integrating fuzzy integral and heuristic search for unit micromanagement in RTS games, Proceedings of the 2014 IEEE Congress on Evolutionary Computation (Beijing, China) (Carlos A. Coello Coello, ed.), 6-11 July 2014, pp. 9–12.
- [NXDT14] Ben Niu, Ting Xie, Qiqi Duan, and Lijing Tan, Particle swarm optimization for integrated yard truck scheduling and storage allocation problem, Proceedings of the 2014 IEEE Congress on Evolutionary Computation (Beijing, China) (Carlos A. Coello Coello, ed.), 6-11 July 2014, pp. 634–639.

- [NXLZ14] Bach Hoai Nguyen, Bing Xue, Ivy Liu, and Mengjie Zhang, Filter based backward elimination in wrapper based PSO for feature selection in classification, Proceedings of the 2014 IEEE Congress on Evolutionary Computation (Beijing, China) (Carlos A. Coello Coello, ed.), 6-11 July 2014, pp. 3111–3118.
- [NZJ14] Su Nguyen, Mengjie Zhang, and Mark Johnston, A sequential genetic programming method to learn forward construction heuristics for order acceptance and scheduling, Proceedings of the 2014 IEEE Congress on Evolutionary Computation (Beijing, China) (Carlos A. Coello Coello, ed.), 6-11 July 2014, pp. 1824–1831.
- [OJ14] Hyondong Oh and Yaochu Jin, Evolving hierarchical gene regulatory networks for morphogenetic pattern formation of swarm robotics, Proceedings of the 2014 IEEE Congress on Evolutionary Computation (Beijing, China) (Carlos A. Coello Coello, ed.), 6-11 July 2014, pp. 776–783.
- [OML14] Mohammad Nabi Omidvar, Yi Mei, and Xiaodong Li, Effective decomposition of large-scale separable continuous functions for cooperative co-evolutionary algorithms, Proceedings of the 2014 IEEE Congress on Evolutionary Computation (Beijing, China) (Carlos A. Coello Coello, ed.), 6-11 July 2014, pp. 1305–1312.
- [ONA14] Michael O'Neill, Miguel Nicolau, and Alexandros Agapitos, Experiments in program synthesis with grammatical evolution: A focus on integer sorting, Proceedings of the 2014 IEEE Congress on Evolutionary Computation (Beijing, China) (Carlos A. Coello Coello, ed.), 6-11 July 2014, pp. 1504–1511.
- [Pan14] Manikandan Pandiyan, Soft computing techniques based optimal tuning of virtual feedback PID controller for chemical tank reactor, Proceedings of the 2014 IEEE Congress on Evolutionary Computation (Beijing, China) (Carlos A. Coello Coello, ed.), 6-11 July 2014, pp. 1922–1928.
- [PAR14a] Daniel Poole, Christian Allen, and Thomas Rendall, Analysis of constraint handling methods for the gravitational search algorithm, Proceedings of the 2014 IEEE Congress on Evolutionary Computation (Beijing, China) (Carlos A. Coello Coello, ed.), 6-11 July 2014, pp. 2005–2012.
- [PAR14b] ______, Constraint handling in agent-based optimization by independent sub-swarms, Proceedings of the 2014 IEEE Congress on Evolutionary Computation (Beijing, China) (Carlos A. Coello Coello, ed.), 6-11 July 2014, pp. 998–1005.
- [Pat14] Ankit Pat, Ant colony optimization and hypergraph covering problems, Proceedings of the 2014 IEEE Congress on Evolutionary Computation (Beijing, China) (Carlos A. Coello Coello, ed.), 6-11 July 2014, pp. 1714–1720.
- [PC14a] Wei Pang and George Coghill, An immune network approach to learning qualitative models of biological pathways, Proceedings of the 2014 IEEE Congress on Evolutionary Computation (Beijing, China) (Carlos A. Coello Coello, ed.), 6-11 July 2014, pp. 1030–1037.
- [PC14b] Petrica Pop and Camelia Chira, A hybrid approach based on genetic algorithms for solving the clustered vehicle routing problem, Proceedings of the 2014 IEEE Congress on Evolutionary Computation (Beijing, China) (Carlos A. Coello Coello, ed.), 6-11 July 2014, pp. 1421–1426.
- [PCJSR14] Luiz Mario Lustosa Pascoal, Celso Goncalves Camilo-Junior, Edjalma Queiroz Silva, and Thierson Couto Rosa, A social-evolutionary approach to compose a similarity function used on event recommendation, Proceedings of the 2014 IEEE Congress on Evolutionary Computation (Beijing, China) (Carlos A. Coello Coello, ed.), 6-11 July 2014, pp. 1512–1519.

- [PDM⁺14] Robin C. Purshouse, Kalyanmoy Deb, Maszatul M. Mansor, Sanaz Mostaghim, and Rui Wang, A review of hybrid evolutionary multiple criteria decision making methods, Proceedings of the 2014 IEEE Congress on Evolutionary Computation (Beijing, China) (Carlos A. Coello Coello, ed.), 6-11 July 2014, pp. 1147–1154.
- [PdPG14] Christiaan Pretorius, Mathys du Plessis, and John Gonsalves, A comparison of neural networks and physics models as motion simulators for simple robotic evolution, Proceedings of the 2014 IEEE Congress on Evolutionary Computation (Beijing, China) (Carlos A. Coello Coello, ed.), 6-11 July 2014, pp. 2793–2800.
- [Pet14] Leif Peterson, Evolutionary algorithms applied to likelihood function maximization during Poisson, logistic, and Cox proportional hazards regression analysis, Proceedings of the 2014 IEEE Congress on Evolutionary Computation (Beijing, China) (Carlos A. Coello Coello, ed.), 6-11 July 2014, pp. 1054–1061.
- [Pla14] Vassilis Plagianakos, Unsupervised clustering and multi-optima evolutionary search, Proceedings of the 2014 IEEE Congress on Evolutionary Computation (Beijing, China) (Carlos A. Coello Coello, ed.), 6-11 July 2014, pp. 2383–2390.
- [PLL14] Xingguang Peng, Xiaokang Lei, and Kun Liu, Compensate information from multimodal dynamic landscapes: An anti-pathology cooperative coevolutionary algorithm, Proceedings of the 2014 IEEE Congress on Evolutionary Computation (Beijing, China) (Carlos A. Coello Coello, ed.), 6-11 July 2014, pp. 2578–2584.
- [PN14a] Martin Pilat and Roman Neruda, *The effect of different local search algorithms on the performance of multi-objective optimizers*, Proceedings of the 2014 IEEE Congress on Evolutionary Computation (Beijing, China) (Carlos A. Coello Coello, ed.), 6-11 July 2014, pp. 2172–2179.
- [PN14b] Shayan Poursoltan and Frank Neumann, A feature-based analysis on the impact of linear constraints for e-constrained differential evolution, Proceedings of the 2014 IEEE Congress on Evolutionary Computation (Beijing, China) (Carlos A. Coello Coello, ed.), 6-11 July 2014, pp. 3088–3095.
- [PPW⁺14] Diego Perez, Edward Powley, Daniel Whitehouse, Spyridon Samothrakis, Simon Lucas, and Peter Cowling, *The 2013 multi-objective physical travelling salesman problem competition*, Proceedings of the 2014 IEEE Congress on Evolutionary Computation (Beijing, China) (Carlos A. Coello Coello, ed.), 6-11 July 2014, pp. 2314–2321.
- [PRM14] Preux Philippe, Munos Remi, and Valko Michal, Bandits attack function optimization, Proceedings of the 2014 IEEE Congress on Evolutionary Computation (Beijing, China) (Carlos A. Coello Coello, ed.), 6-11 July 2014, pp. 2245–2252.
- [PRN14] Marcio Pereira, Mauro Roisenberg, and Guenther Neto, *A topological niching covariance matrix adaptation for multimodal optimization*, Proceedings of the 2014 IEEE Congress on Evolutionary Computation (Beijing, China) (Carlos A. Coello Coello, ed.), 6-11 July 2014, pp. 2562–2569.
- [PTB14] Radka Polakova, Josef Tvrdik, and Petr Bujok, Controlled restart in differential evolution applied to CEC2014 benchmark functions, Proceedings of the 2014 IEEE Congress on Evolutionary Computation (Beijing, China) (Carlos A. Coello Coello, ed.), 6-11 July 2014, pp. 2230–2236.
- [PZZ14] Zhou Peng, Jinhua Zheng, and Juan Zou, A population diversity maintaining strategy based on dynamic environment evolutionary model for dynamic multiobjective optimization, Proceedings of the 2014 IEEE Congress on Evolutionary Computation (Beijing, China) (Carlos A. Coello Coello, ed.), 6-11 July 2014, pp. 274–281.
- [QHGW14] Xiaohu Qian, Min Huang, Taiguang Gao, and Xingwei Wang, An improved ant colony algorithm for winner determination in multi-attribute combinatorial reverse auction, Proceedings of the 2014 IEEE Congress on Evolutionary Computation (Beijing, China) (Carlos A. Coello Coello, ed.), 6-11 July 2014, pp. 1917–1921.

- [QTPX14] A. K. Qin, Ke Tang, Hong Pan, and Siyu Xia, Self-adaptive differential evolution with local search chains for real-parameter single-objective optimization, Proceedings of the 2014 IEEE Congress on Evolutionary Computation (Beijing, China) (Carlos A. Coello Coello, ed.), 6-11 July 2014, pp. 467–474.
- [QXT14] Xin Qiu, Jianxin Xu, and Kay Chen Tan, A novel differential evolution (DE) algorithm for multi-objective optimization, Proceedings of the 2014 IEEE Congress on Evolutionary Computation (Beijing, China) (Carlos A. Coello Coello, ed.), 6-11 July 2014, pp. 2391–2396.
- [R.14] Rajakumar B. R., Lion algorithm for standard and large scale bilinear system identification: A global optimization based on lion's social behavior, Proceedings of the 2014 IEEE Congress on Evolutionary Computation (Beijing, China) (Carlos A. Coello Coello, ed.), 6-11 July 2014, pp. 2116–2123.
- [RAG14] Jenna Reps, Uwe Aickelin, and Jonathan Garibaldi, Tuning a multiple classifier system for side effect discovery using genetic algorithms, Proceedings of the 2014 IEEE Congress on Evolutionary Computation (Beijing, China) (Carlos A. Coello Coello, ed.), 6-11 July 2014, pp. 910–917.
- [RB14] Thomas Runkler and James Bezdek, Multidimensional scaling with multiswarming, Proceedings of the 2014 IEEE Congress on Evolutionary Computation (Beijing, China) (Carlos A. Coello Coello, ed.), 6-11 July 2014, pp. 2940–2946.
- [rBM14] Mohammad reza Bonyadi and Zbigniew Michalewicz, On the edge of feasibility: A case study of the particle swarm optimizer, Proceedings of the 2014 IEEE Congress on Evolutionary Computation (Beijing, China) (Carlos A. Coello Coello, ed.), 6-11 July 2014, pp. 3059–3066.
- [RGMZ14] Matteo Ruello, Francesco Grimaccia, Marco Mussetta, and Riccardo E. Zich, *Blackhole PSO and SNO for electromagnetic optimization*, Proceedings of the 2014 IEEE Congress on Evolutionary Computation (Beijing, China) (Carlos A. Coello Coello, ed.), 6-11 July 2014, pp. 1912–1916.
- [Ric14] Hendrik Richter, Codynamic fitness landscapes of coevolutionary minimal substrates, Proceedings of the 2014 IEEE Congress on Evolutionary Computation (Beijing, China) (Carlos A. Coello Coello, ed.), 6-11 July 2014, pp. 2692–2699.
- [RJB⁺14] Shahryar Rahnamayan, Jude Jesuthasan, Faird Bourennani, Hojjat Salehinejad, and Greg F. Naterer, *Computing opposition by involving entire population*, Proceedings of the 2014 IEEE Congress on Evolutionary Computation (Beijing, China) (Carlos A. Coello Coello, ed.), 6-11 July 2014, pp. 1800–1807.
- [RKN14] Pratyusha Rakshit, Amit Konar, and Atulya Nagar, Artificial bee colony induced multiobjective optimization in presence of noise, Proceedings of the 2014 IEEE Congress on Evolutionary Computation (Beijing, China) (Carlos A. Coello Coello, ed.), 6-11 July 2014, pp. 3176–3183.
- [RME14] Stuart Reid, Katherine Malan, and Andries Engelbrecht, Carry trade portfolio optimization using particle swarm optimization, Proceedings of the 2014 IEEE Congress on Evolutionary Computation (Beijing, China) (Carlos A. Coello Coello, ed.), 6-11 July 2014, pp. 3051–3058.
- [RPEC⁺14] Alejandro Rosales-Perez, Hugo Jair Escalante, Carlos A. Coello Coello, Jesus A. Gonzalez, and Carlos A. Reyes-Garcia, *An evolutionary multi-objective approach for prototype generation*, Proceedings of the 2014 IEEE Congress on Evolutionary Computation (Beijing, China) (Carlos A. Coello Coello, ed.), 6-11 July 2014, pp. 1100–1107.

- [RSEC14] Humyun Fuad Rahman, Ruhul Sarker, Daryl Essam, and Guijuan Chang, A memetic algorithm for solving permutation flow shop problems with known and unknown machine breakdowns, Proceedings of the 2014 IEEE Congress on Evolutionary Computation (Beijing, China) (Carlos A. Coello Coello, ed.), 6-11 July 2014, pp. 42–49.
- [SAAR14] Jose Luis Soncco-Alvarez and Mauricio Ayala-Rincon, *Memetic algorithm for sorting unsigned permutations by reversals*, Proceedings of the 2014 IEEE Congress on Evolutionary Computation (Beijing, China) (Carlos A. Coello Coello, ed.), 6-11 July 2014, pp. 2770–2777.
- [SAFJ14] Hang Shao, Rami Abielmona, Rafael Falcon, and Nathalie Japkowicz, Vessel track correlation and association using fuzzy logic and echo state networks, Proceedings of the 2014 IEEE Congress on Evolutionary Computation (Beijing, China) (Carlos A. Coello Coello, ed.), 6-11 July 2014, pp. 2322–2329.
- [SAR14] Hemant Singh, Md. Asafuddoula, and Tapabrata Ray, Solving problems with a mix of hard and soft constraints using modified infeasibility driven evolutionary algorithm (IDEA-M), Proceedings of the 2014 IEEE Congress on Evolutionary Computation (Beijing, China) (Carlos A. Coello Coello, ed.), 6-11 July 2014, pp. 983–990.
- [SCFD14] Prashant Singh, Ivo Couckuyt, Francesco Ferranti, and Tom Dhaene, A constrained multi-objective surrogate-based optimization algorithm, Proceedings of the 2014 IEEE Congress on Evolutionary Computation (Beijing, China) (Carlos A. Coello Coello, ed.), 6-11 July 2014, pp. 3080–3087.
- [SCJPR14] Edjalma Queiroz Silva, Celso Goncalves Camilo-Junior, Luiz Mario L. Pascoal, and Thierson Couto Rosa, An evolutionary approach for combining results of recommender systems techniques based on collaborative filtering, Proceedings of the 2014 IEEE Congress on Evolutionary Computation (Beijing, China) (Carlos A. Coello Coello, ed.), 6-11 July 2014, pp. 959–966.
- [SCP⁺14] Nicholas Sephton, Peter Cowling, Edward Powley, Daniel Whitehouse, and Nicholas Slaven, *Parallelization of information set Monte Carlo tree search*, Proceedings of the 2014 IEEE Congress on Evolutionary Computation (Beijing, China) (Carlos A. Coello Coello, ed.), 6-11 July 2014, pp. 2290–2297.
- [SCSL14] Carlos Segura, Carlos A. Coello Coello, Eduardo Segredo, and Coromoto Leon, An analysis of the automatic adaptation of the crossover rate in differential evolution, Proceedings of the 2014 IEEE Congress on Evolutionary Computation (Beijing, China) (Carlos A. Coello Coello, ed.), 6-11 July 2014, pp. 459–466.
- [SCSU14] Simone Scardapane, Danilo Comminiello, Michele Scarpiniti, and Aurelio Uncini, *GP-based kernel evolution for L2-regularization networks*, Proceedings of the 2014 IEEE Congress on Evolutionary Computation (Beijing, China) (Carlos A. Coello Coello, ed.), 6-11 July 2014, pp. 1674–1681.
- [SCWCTJ14] Wei Shang-Chia, Yeh Wei-Chang, and Yen Tso-Jung, Pareto simplified swarm optimization for grid-computing reliability and service makspan in grid-RMS, Proceedings of the 2014 IEEE Congress on Evolutionary Computation (Beijing, China) (Carlos A. Coello Coello, ed.), 6-11 July 2014, pp. 1593–1600.
- [SDJ14] Christopher Smith, John Doherty, and Yaochu Jin, Multi-objective evolutionary recurrent neural network ensemble for prediction of computational fluid dynamic simulations, Proceedings of the 2014 IEEE Congress on Evolutionary Computation (Beijing, China) (Carlos A. Coello Coello, ed.), 6-11 July 2014, pp. 2609–2616.
- [SE14] Christiaan Scheepers and Andries Engelbrecht, Competitive coevolutionary training of simple soccer agents from zero knowledge, Proceedings of the 2014 IEEE Congress on Evolutionary Computation (Beijing, China) (Carlos A. Coello Coello, ed.), 6-11 July 2014, pp. 1210–1217.

- [SESE14] Eman Sayed, Daryl Essam, Ruhul Sarker, and Saber Elsayed, A decomposition-based algorithm for dynamic economic dispatch problems, Proceedings of the 2014 IEEE Congress on Evolutionary Computation (Beijing, China) (Carlos A. Coello Coello, ed.), 6-11 July 2014, pp. 1898–1905.
- [SGG14] Thatiana Souza, Elizabeth Goldbarg, and Marco Goldbarg, An experimental analysis of evolutionary algorithms for the three-objective oil derivatives distribution problem, Proceedings of the 2014 IEEE Congress on Evolutionary Computation (Beijing, China) (Carlos A. Coello Coello, ed.), 6-11 July 2014, pp. 1982–1989.
- [SGHR14] Daniel Smullen, Jonathan Gillett, Joseph Heron, and Shahryar Rahnamayan, Genetic algorithm with self-adaptive mutation controlled by chromosome similarity, Proceedings of the 2014 IEEE Congress on Evolutionary Computation (Beijing, China) (Carlos A. Coello Coello, ed.), 6-11 July 2014, pp. 504–511.
- [SIR14] Hemant Singh, Amitay Isaacs, and Tapabrata Ray, A hybrid surrogate based algorithm (HSBA) to solve computationally expensive optimization problems, Proceedings of the 2014 IEEE Congress on Evolutionary Computation (Beijing, China) (Carlos A. Coello Coello, ed.), 6-11 July 2014, pp. 1069–1075.
- [SJYZ14] Xiangjing Song, Junzhong Ji, Cuicui Yang, and Xiuzhen Zhang, Ant colony clustering based on sampling for community detection, Proceedings of the 2014 IEEE Congress on Evolutionary Computation (Beijing, China) (Carlos A. Coello Coello, ed.), 6-11 July 2014, pp. 687–692.
- [SK14a] Nasser R. Sabar and Graham Kendall, Aircraft landing problem using hybrid differential evolution and simple descent algorithm, Proceedings of the 2014 IEEE Congress on Evolutionary Computation (Beijing, China) (Carlos A. Coello Coello, ed.), 6-11 July 2014, pp. 520–527.
- [SK14b] ______, Using harmony search with multiple pitch adjustment operators for the portfolio selection problem, Proceedings of the 2014 IEEE Congress on Evolutionary Computation (Beijing, China) (Carlos A. Coello Coello, ed.), 6-11 July 2014, pp. 499–503.
- [SKDN14] Gerald Schaefer, Bartosz Krawczyk, Niraj Doshi, and Tomoharu Nakashima, Costsensitive texture classification, Proceedings of the 2014 IEEE Congress on Evolutionary Computation (Beijing, China) (Carlos A. Coello Coello, ed.), 6-11 July 2014, pp. 105–108.
- [SM14] Martin Schlueter and Masaharu Munetomo, Parallelization for space trajectory optimization, Proceedings of the 2014 IEEE Congress on Evolutionary Computation (Beijing, China) (Carlos A. Coello Coello, ed.), 6-11 July 2014, pp. 832–839.
- [SMD14] Ankur Sinha, Pekka Malo, and Kalyanmoy Deb, An improved bilevel evolutionary algorithm based on quadratic approximations, Proceedings of the 2014 IEEE Congress on Evolutionary Computation (Beijing, China) (Carlos A. Coello Coello, ed.), 6-11 July 2014, pp. 1870–1877.
- [SNI14] Takahiko Sudo, Yusuke Nojima, and Hisao Ishibuchi, Effects of ensemble action selection on the evolution of iterated prisoner's dilemma game strategies, Proceedings of the 2014 IEEE Congress on Evolutionary Computation (Beijing, China) (Carlos A. Coello Coello, ed.), 6-11 July 2014, pp. 1195–1201.
- [SPB14] Luciano Souza, Ricardo Prudencio, and Flavia Barros, A comparison study of binary multi-objective particle swarm optimization approaches for test case selection, Proceedings of the 2014 IEEE Congress on Evolutionary Computation (Beijing, China) (Carlos A. Coello Coello, ed.), 6-11 July 2014, pp. 2164–2171.

- [SPL14] David L. St-Pierre and Jialin Liu, Differential evolution algorithm applied to non-stationary bandit problem, Proceedings of the 2014 IEEE Congress on Evolutionary Computation (Beijing, China) (Carlos A. Coello Coello, ed.), 6-11 July 2014, pp. 2397–2403.
- [SPV14] Lukas Sekanina, Ondrej Ptak, and Zdenek Vasicek, Cartesian genetic programming as local optimizer of logic networks, Proceedings of the 2014 IEEE Congress on Evolutionary Computation (Beijing, China) (Carlos A. Coello Coello, ed.), 6-11 July 2014, pp. 2901–2908.
- [SPW14a] Zhe Shi, Yonggang Peng, and Wei Wei, Optimal sizing of DGs and storage for microgrid with interruptible load using improved NSGA-II, Proceedings of the 2014 IEEE Congress on Evolutionary Computation (Beijing, China) (Carlos A. Coello Coello, ed.), 6-11 July 2014, pp. 2108–2115.
- [SPW14b] Samuel Stanley, Thomas Palazzolo, and David Warnke, Analyzing prehistoric hunter behavior with cultural algorithms, Proceedings of the 2014 IEEE Congress on Evolutionary Computation (Beijing, China) (Carlos A. Coello Coello, ed.), 6-11 July 2014, pp. 2196–2205.
- [SRIM14] Shubhra Kanti Karmaker Santu, Md. Mustafizur Rahman, Md. Monirul Islam, and Kazuyuki Murase, *Towards better generalization in Pittsburgh learning classifier systems*, Proceedings of the 2014 IEEE Congress on Evolutionary Computation (Beijing, China) (Carlos A. Coello Coello, ed.), 6-11 July 2014, pp. 1666–1673.
- [SRT14a] Hojjat Salehinejad, Shahryar Rahnamayan, and Hamid R. Tizhoosh, *Micro-differential evolution with vectorized random mutation factor*, Proceedings of the 2014 IEEE Congress on Evolutionary Computation (Beijing, China) (Carlos A. Coello Coello, ed.), 6-11 July 2014, pp. 2055–2062.
- [SRT14b] _____, Toward using type-II opposition in optimization, Proceedings of the 2014 IEEE Congress on Evolutionary Computation (Beijing, China) (Carlos A. Coello Coello, ed.), 6-11 July 2014, pp. 1768–1775.
- [SSL14] Eduardo Segredo, Carlos Segura, and Coromoto Leon, Control of numeric and symbolic parameters with a hybrid scheme based on fuzzy logic and hyper-heuristics, Proceedings of the 2014 IEEE Congress on Evolutionary Computation (Beijing, China) (Carlos A. Coello Coello, ed.), 6-11 July 2014, pp. 1890–1897.
- [SSZ⁺14] Chengyong Si, Jianqiang Shen, Xuan Zou, Lei Wang, and Qidi Wu, Mapping constrained optimization problems to penalty parameters: An empirical study, Proceedings of the 2014 IEEE Congress on Evolutionary Computation (Beijing, China) (Carlos A. Coello Coello, ed.), 6-11 July 2014, pp. 3073–3079.
- [STKS14] Masaki Suzuki, Setsuo Tsuruta, Rainer Knauf, and Yoshitaka Sakurai, Knowledge acquisition issues for intelligent route optimization by evolutionary computation, Proceedings of the 2014 IEEE Congress on Evolutionary Computation (Beijing, China) (Carlos A. Coello Coello, ed.), 6-11 July 2014, pp. 3252–3257.
- [SWG14] Lan Shuai, Zhen Wang, and Tao Gong, Simulating the coevolution of language and longterm memory, Proceedings of the 2014 IEEE Congress on Evolutionary Computation (Beijing, China) (Carlos A. Coello Coello, ed.), 6-11 July 2014, pp. 1374–1381.
- [SY14] Yi-En Su and Tian-Li Yu, Use model building on discretization algorithms for discrete EDAs to work on real-valued problems, Proceedings of the 2014 IEEE Congress on Evolutionary Computation (Beijing, China) (Carlos A. Coello Coello, ed.), 6-11 July 2014, pp. 2491–2498.
- [SYO14] Hai Shan, Toshiyuki Yasuda, and Kazuhiro Ohkura, A Levy flight-based hybrid artificial bee colony algorithm for solving numerical optimization problems, Proceedings of the 2014 IEEE Congress on Evolutionary Computation (Beijing, China) (Carlos A. Coello Coello, ed.), 6-11 July 2014, pp. 2656–2663.

- [SZJ14] Ronghua Shang, Kun Zhang, and Licheng Jiao, A novel algorithm for many-objective dimension reductions: Pareto-PCA-NSGA-II, Proceedings of the 2014 IEEE Congress on Evolutionary Computation (Beijing, China) (Carlos A. Coello Coello, ed.), 6-11 July 2014, pp. 1974–1981.
- [TA14a] Jiangjun Tang and Hussein A. Abbass, Behavioral learning of aircraft landing sequencing using a society of probabilistic finite state machines, Proceedings of the 2014 IEEE Congress on Evolutionary Computation (Beijing, China) (Carlos A. Coello Coello, ed.), 6-11 July 2014, pp. 610–617.
- [TA14b] Ayad Turky and Salwani Abdullah, *Using electromagnetic algorithm for tuning the structure and parameters of neural networks*, Proceedings of the 2014 IEEE Congress on Evolutionary Computation (Beijing, China) (Carlos A. Coello Coello, ed.), 6-11 July 2014, pp. 326–331.
- [TC14] Jeffrey A. Thompson and Clare Bates Congdon, GAMI-CRM: Using de novo motif inference to detect cis-regulatory modules, Proceedings of the 2014 IEEE Congress on Evolutionary Computation (Beijing, China) (Carlos A. Coello Coello, ed.), 6-11 July 2014, pp. 1022–1029.
- [TCpC14a] Pei-Chuan Tsai, Chih-Ming Chen, and Ying ping Chen, A novel evaluation function for LT codes degree distribution optimization, Proceedings of the 2014 IEEE Congress on Evolutionary Computation (Beijing, China) (Carlos A. Coello Coello, ed.), 6-11 July 2014, pp. 3030–3035.
- [TCpC14b] ______, PSO-based evacuation simulation framework, Proceedings of the 2014 IEEE Congress on Evolutionary Computation (Beijing, China) (Carlos A. Coello Coello, ed.), 6-11 July 2014, pp. 1944–1950.
- [TF14] Ryoji Tanabe and Alex Fukunaga, Improving the search performance of SHADE using linear population size reduction, Proceedings of the 2014 IEEE Congress on Evolutionary Computation (Beijing, China) (Carlos A. Coello Coello, ed.), 6-11 July 2014, pp. 1658–1665.
- [TMY14] Hsiao-Yu Tung, Wei-Chiu Ma, and Tian-Li Yu, Novel traffic signal timing adjustment strategy based on genetic algorithm, Proceedings of the 2014 IEEE Congress on Evolutionary Computation (Beijing, China) (Carlos A. Coello Coello, ed.), 6-11 July 2014, pp. 2353–2360.
- [TPB⁺14] Isaac Triguero, Daniel Peralta, Jaume Bacardit, Salvador Garcia, and Francisco Herrera, *A combined MapReduce-windowing two-level parallel scheme for evolutionary prototype generation*, Proceedings of the 2014 IEEE Congress on Evolutionary Computation (Beijing, China) (Carlos A. Coello Coello, ed.), 6-11 July 2014, pp. 3036–3043.
- [Tsa14] Jeffrey Tsang, The structure of a probabilistic 2-state finite transducer representation for prisoner's dilemma, Proceedings of the 2014 IEEE Congress on Evolutionary Computation (Beijing, China) (Carlos A. Coello Coello, ed.), 6-11 July 2014, pp. 1202–1209.
- [TVX⁺14] Binh Huynh Thi Thanh, Long Tran Van, Hoai Nguyen Xuan, Anh Nguyen Duc, and Truong Pham Manh, Reordering dimensions for radial visualization of multidimensional data a genetic algorithms approach, Proceedings of the 2014 IEEE Congress on Evolutionary Computation (Beijing, China) (Carlos A. Coello Coello, ed.), 6-11 July 2014, pp. 951–958.
- [TY14] Kenichi Tamura and Keiichiro Yasuda, Primary study on feedback controlled differential evolution, Proceedings of the 2014 IEEE Congress on Evolutionary Computation (Beijing, China) (Carlos A. Coello Coello, ed.), 6-11 July 2014, pp. 371–378.

- [vBVB14] Seppe vanden Broucke, Jan Vanthienen, and Bart Baesens, *Declarative process discovery with evolutionary computing*, Proceedings of the 2014 IEEE Congress on Evolutionary Computation (Beijing, China) (Carlos A. Coello Coello, ed.), 6-11 July 2014, pp. 2412–2419.
- [VCO⁺14] Gervasio Varela, Pilar Caamano, Felix Orjales, Alvaro Deibe, Fernando Lopez-Pena, and Richard Duro, *Differential evolution in constrained sampling problems*, Proceedings of the 2014 IEEE Congress on Evolutionary Computation (Beijing, China) (Carlos A. Coello Coello, ed.), 6-11 July 2014, pp. 2375–2382.
- [VMMK⁺14] Andrea Valsecchi, Pablo Mesejo, Linda Marrakchi-Kacem, Stefano Cagnoni, and Sergio Damas, Automatic evolutionary medical image segmentation using deformable models, Proceedings of the 2014 IEEE Congress on Evolutionary Computation (Beijing, China) (Carlos A. Coello Coello, ed.), 6-11 July 2014, pp. 97–104.
- [VTNBW14] Fatemeh Vafaee, Gyorgy Turan, Peter Nelson, and Tanya Berger-Wolf, Balancing the exploration and exploitation in an adaptive diversity guided genetic algorithm, Proceedings of the 2014 IEEE Congress on Evolutionary Computation (Beijing, China) (Carlos A. Coello Coello, ed.), 6-11 July 2014, pp. 2570–2577.
- [VVSH14] Joaquim Viegas, Susana Vieira, Joao Sousa, and Elsa Henriques, Metaheuristics for the 3D bin packing problem in the steel industry, Proceedings of the 2014 IEEE Congress on Evolutionary Computation (Beijing, China) (Carlos A. Coello Coello, ed.), 6-11 July 2014, pp. 338–343.
- [Wag14] Markus Wagner, Maximising axiomatization coverage and minimizing regression testing time, Proceedings of the 2014 IEEE Congress on Evolutionary Computation (Beijing, China) (Carlos A. Coello Coello, ed.), 6-11 July 2014, pp. 2885–2892.
- [WCF14] Chung-Wei Wu, Tsung-Che Chiang, and Li-Chen Fu, An ant colony optimization algorithm for multi-objective clustering in mobile ad hoc networks, Proceedings of the 2014 IEEE Congress on Evolutionary Computation (Beijing, China) (Carlos A. Coello Coello, ed.), 6-11 July 2014, pp. 2963–2968.
- [WCK14] Shinya Watanabe, Yuta Chiba, and Masahiro Kanazaki, A proposal on analysis support system based on association rule analysis for non-dominated solutions, Proceedings of the 2014 IEEE Congress on Evolutionary Computation (Beijing, China) (Carlos A. Coello Coello, ed.), 6-11 July 2014, pp. 880–887.
- [WCR⁺14] Michal Weiszer, Jun Chen, Stefan Ravizza, Jason Atkin, and Paul Stewart, *A heuristic approach to greener airport ground movement*, Proceedings of the 2014 IEEE Congress on Evolutionary Computation (Beijing, China) (Carlos A. Coello Coello, ed.), 6-11 July 2014, pp. 3280–3286.
- [WD14a] Kuai Wei and Michael J. Dinneen, *Hybridizing the dynamic mutation approach with local searches to overcome local optima*, Proceedings of the 2014 IEEE Congress on Evolutionary Computation (Beijing, China) (Carlos A. Coello Coello, ed.), 6-11 July 2014, pp. 74–81.
- [WD14b] _____, Runtime comparison of two fitness functions on a memetic algorithm for the clique problem, Proceedings of the 2014 IEEE Congress on Evolutionary Computation (Beijing, China) (Carlos A. Coello Coello, ed.), 6-11 July 2014, pp. 133–140.
- [WFG14] Slawomir Wesolkowski, Nevena Francetic, and Stuart Grant, *TraDE: Training device selection via multi-objective optimization*, Proceedings of the 2014 IEEE Congress on Evolutionary Computation (Beijing, China) (Carlos A. Coello Coello, ed.), 6-11 July 2014, pp. 2617–2624.
- [WGC⁺14] Zhao Wang, Maoguo Gong, Qing Cai, Lijia Ma, and Licheng Jiao, Deployment optimization of near space airships based on MOEA/D with local search, Proceedings of the 2014 IEEE Congress on Evolutionary Computation (Beijing, China) (Carlos A. Coello Coello, ed.), 6-11 July 2014, pp. 2345–2352.

- [WGM⁺14] Shanfeng Wang, Maoguo Gong, Lijia Ma, Qing Cai, and Licheng Jiao, Decomposition based multiobjective evolutionary algorithm for collaborative filtering recommender systems, Proceedings of the 2014 IEEE Congress on Evolutionary Computation (Beijing, China) (Carlos A. Coello Coello, ed.), 6-11 July 2014, pp. 672–679.
- [WGN14] Sunrise Wang, James Gain, and Geoff Nitschke, Comparing crossover operators in neuro-evolution with crowd simulations, Proceedings of the 2014 IEEE Congress on Evolutionary Computation (Beijing, China) (Carlos A. Coello Coello, ed.), 6-11 July 2014, pp. 2298–2305.
- [WGZ14] Fangxiao Wang, Yuan Gao, and Zexuan Zhu, Locality-sensitive hashing based multiobjective memetic algorithm for dynamic pickup and delivery problems, Proceedings of the 2014 IEEE Congress on Evolutionary Computation (Beijing, China) (Carlos A. Coello Coello, ed.), 6-11 July 2014, pp. 661–666.
- [WK14] Zijun Wu and Michael Kolonko, Absorption in model-based search algorithms for combinatorial optimization, Proceedings of the 2014 IEEE Congress on Evolutionary Computation (Beijing, China) (Carlos A. Coello Coello, ed.), 6-11 July 2014, pp. 1744–1751.
- [WKL⁺14] Mengyuan Wu, Ammar Karkar, Bo Liu, Alex Yakovlev, and Georges Gielen, Network on chip optimization based on surrogate model assisted evolutionary algorithms, Proceedings of the 2014 IEEE Congress on Evolutionary Computation (Beijing, China) (Carlos A. Coello Coello, ed.), 6-11 July 2014, pp. 3266–3271.
- [WL14] Shao-You Wu and Jing-Sin Liu, Evolutionary path planning of a data mule in wireless sensor network by using shortcuts, Proceedings of the 2014 IEEE Congress on Evolutionary Computation (Beijing, China) (Carlos A. Coello Coello, ed.), 6-11 July 2014, pp. 2708–2715.
- [WLG⁺14] Qiao Wang, Hao Li, Maoguo Gong, Linzhi Su, and Licheng Jiao, A multiobjective optimization method based on MOEA/D and fuzzy clustering for change detection in SAR images, Proceedings of the 2014 IEEE Congress on Evolutionary Computation (Beijing, China) (Carlos A. Coello Coello, ed.), 6-11 July 2014, pp. 3024–3029.
- [WLJM14] Xiaoguang Wang, Xuan Liu, Nathalie Japkowicz, and Stan Matwin, Automatic target recognition using multiple-aspect sonar images, Proceedings of the 2014 IEEE Congress on Evolutionary Computation (Beijing, China) (Carlos A. Coello Coello, ed.), 6-11 July 2014, pp. 2330–2337.
- [WLT14] Chia-Lin Wu, Chien-Hung Liu, and Chuan-Kang Ting, A novel genetic algorithm considering measures and phrases for generating melody, Proceedings of the 2014 IEEE Congress on Evolutionary Computation (Beijing, China) (Carlos A. Coello Coello, ed.), 6-11 July 2014, pp. 2101–2107.
- [WLWL14] Pak-Kan Wong, Leung-Yau Lo, Man-Leung Wong, and Kwong-Sak Leung, Grammar based genetic programming with Bayesian network, Proceedings of the 2014 IEEE Congress on Evolutionary Computation (Beijing, China) (Carlos A. Coello Coello, ed.), 6-11 July 2014, pp. 739–746.
- [WN14] Markus Wagner and Frank Neumann, Single- and multi-objective genetic programming: New runtime results for SORTING, Proceedings of the 2014 IEEE Congress on Evolutionary Computation (Beijing, China) (Carlos A. Coello Coello, ed.), 6-11 July 2014, pp. 125–132.
- [WTJ⁺14] Takeshi Watanabe, Tomoaki Tatsukawa, Antonio Lopez Jaimes, Hikaru Aono, Taku Nonomura, Akira Oyama, and Kozo Fujii, *Many-objective evolutionary computation for optimization of separated-flow control using a DBD plasma actuator*, Proceedings of the 2014 IEEE Congress on Evolutionary Computation (Beijing, China) (Carlos A. Coello Coello, ed.), 6-11 July 2014, pp. 2849–2854.

- [WTY14] Shih-Ming Wang, Yu-Fan Tung, and Tian-Li Yu, Investigation on efficiency of optimal mixing on various linkage sets, Proceedings of the 2014 IEEE Congress on Evolutionary Computation (Beijing, China) (Carlos A. Coello Coello, ed.), 6-11 July 2014, pp. 2475–2482.
- [WWTY14] Thomas Weise, Mingxu Wan, Ke Tang, and Xin Yao, Evolving exact integer algorithms with genetic programming, Proceedings of the 2014 IEEE Congress on Evolutionary Computation (Beijing, China) (Carlos A. Coello Coello, ed.), 6-11 July 2014, pp. 1816–1823.
- [WWZ14] Fei Wei, Yuping Wang, and Tingting Zong, Variable grouping based differential evolution using an auxiliary function for large scale global optimization, Proceedings of the 2014 IEEE Congress on Evolutionary Computation (Beijing, China) (Carlos A. Coello Coello, ed.), 6-11 July 2014, pp. 1293–1298.
- [WXY14] Bo Wang, Hua Xu, and Yuan Yuan, Quantum-inspired evolutionary algorithm with linkage learning, Proceedings of the 2014 IEEE Congress on Evolutionary Computation (Beijing, China) (Carlos A. Coello Coello, ed.), 6-11 July 2014, pp. 2467–2474.
- [WY14] Yifei Wang and Jihao Yin, Intelligent search optimized edge potential function (EPF) approach to synthetic aperture radar (SAR) scene matching, Proceedings of the 2014 IEEE Congress on Evolutionary Computation (Beijing, China) (Carlos A. Coello Coello, ed.), 6-11 July 2014, pp. 2124–2131.
- [WYG⁺14] Jianshe Wu, Lin Yuan, Qingliang Gong, Wenping Ma, Jingjing Ma, and Yangyang Li, *A compression optimization algorithm for community detection*, Proceedings of the 2014 IEEE Congress on Evolutionary Computation (Beijing, China) (Carlos A. Coello Coello, ed.), 6-11 July 2014, pp. 667–671.
- [WYLZ14] Lin Wang, Bo Yang, Yi Li, and Na Zhang, A novel improvement of particle swarm optimization using dual factors strategy, Proceedings of the 2014 IEEE Congress on Evolutionary Computation (Beijing, China) (Carlos A. Coello Coello, ed.), 6-11 July 2014, pp. 183–189.
- [WZGZ14] Zhenkun Wang, Qingfu Zhang, Maoguo Gong, and Aimin Zhou, A replacement strategy for balancing convergence and diversity in MOEA/D, Proceedings of the 2014 IEEE Congress on Evolutionary Computation (Beijing, China) (Carlos A. Coello Coello, ed.), 6-11 July 2014, pp. 2132–2139.
- [WZJ14] Nuosi Wu, Zexuan Zhu, and Zhen Ji, A growing partitional clustering based on particle swarm optimization, Proceedings of the 2014 IEEE Congress on Evolutionary Computation (Beijing, China) (Carlos A. Coello Coello, ed.), 6-11 July 2014, pp. 229–234.
- [wZjLhC14] Xiang wei Zheng, Dian jie Lu, and Zhen hua Chen, A self-adaptive group search optimizer with elitist strategy, Proceedings of the 2014 IEEE Congress on Evolutionary Computation (Beijing, China) (Carlos A. Coello Coello, ed.), 6-11 July 2014, pp. 2033–2039.
- [WZW14] Husheng Wu, Fengming Zhang, and Lushan Wu, An uncultivated wolf pack algorithm for high-dimensional functions and its application in parameters optimization of PID controller, Proceedings of the 2014 IEEE Congress on Evolutionary Computation (Beijing, China) (Carlos A. Coello Coello, ed.), 6-11 July 2014, pp. 1477–1482.
- [WZZ14] Shengli Wang, Xingquan Zuo, and Xinchao Zhao, Solving dynamic double-row layout problem via an improved simulated annealing algorithm, Proceedings of the 2014 IEEE Congress on Evolutionary Computation (Beijing, China) (Carlos A. Coello Coello, ed.), 6-11 July 2014, pp. 1299–1304.

- [XHY14] Changjian Xu, Han Huang, and ShuJin Ye, A differential evolution with replacement strategy for real-parameter numerical optimization, Proceedings of the 2014 IEEE Congress on Evolutionary Computation (Beijing, China) (Carlos A. Coello Coello, ed.), 6-11 July 2014, pp. 1617–1624.
- [XLH⁺14] Xiaohua Xu, Lin Lu, Ping He, Jie Ding, and Yongsheng Ju, *Evolutionary semi-supervised learning with swarm intelligence*, Proceedings of the 2014 IEEE Congress on Evolutionary Computation (Beijing, China) (Carlos A. Coello Coello, ed.), 6-11 July 2014, pp. 1343–1350.
- [XME⁺14] Jing Xie, Yi Mei, Andreas Ernst, Xiaodong Li, and Andy Song, *A genetic programming-based hyper-heuristic approach for storage location assignment problem*, Proceedings of the 2014 IEEE Congress on Evolutionary Computation (Beijing, China) (Carlos A. Coello Coello, ed.), 6-11 July 2014, pp. 3000–3007.
- [XQZ14] Bing Xue, A. K. Qin, and Mengjie Zhang, An archive based particle swarm optimisation for feature selection in classification, Proceedings of the 2014 IEEE Congress on Evolutionary Computation (Beijing, China) (Carlos A. Coello Coello, ed.), 6-11 July 2014, pp. 3119–3126.
- [XS14] Cheng Xie and Lin Shang, Anomaly detection in crowded scenes using genetic programming, Proceedings of the 2014 IEEE Congress on Evolutionary Computation (Beijing, China) (Carlos A. Coello Coello, ed.), 6-11 July 2014, pp. 1832–1839.
- [XSC14] Feng Xie, Andy Song, and Vic Ciesielski, Genetic programming based activity recognition on a smartphone sensory data benchmark, Proceedings of the 2014 IEEE Congress on Evolutionary Computation (Beijing, China) (Carlos A. Coello Coello, ed.), 6-11 July 2014, pp. 2917–2924.
- [XT14] Xiaoyong Xu and Maolin Tang, A new grouping genetic algorithm for the mapreduce placement problem in cloud computing, Proceedings of the 2014 IEEE Congress on Evolutionary Computation (Beijing, China) (Carlos A. Coello Coello, ed.), 6-11 July 2014, pp. 1601–1608.
- [XTW⁺14] Yang Xiao, Martin Trefzer, James Walker, Simon Bale, and Andy Tyrrell, *Two step evolution strategy for device motif BSIM model parameter extraction*, Proceedings of the 2014 IEEE Congress on Evolutionary Computation (Beijing, China) (Carlos A. Coello Coello, ed.), 6-11 July 2014, pp. 2877–2884.
- [XXW14] Jun Xu, Xiangming Xi, and Shuning Wang, Optimization based on adaptive hinging hyperplanes and genetic algorithm, Proceedings of the 2014 IEEE Congress on Evolutionary Computation (Beijing, China) (Carlos A. Coello Coello, ed.), 6-11 July 2014, pp. 2040–2046.
- [XZC14] Tao Xiang, Weimin Zhang, and Fei Chen, A verifiable PSO algorithm in cloud computing, Proceedings of the 2014 IEEE Congress on Evolutionary Computation (Beijing, China) (Carlos A. Coello Coello, ed.), 6-11 July 2014, pp. 190–193.
- [YCH14] Zang Yuan, Yingwu Chen, and Renjie He, Agile earth observing satellites mission planning using genetic algorithm based on high quality initial solutions, Proceedings of the 2014 IEEE Congress on Evolutionary Computation (Beijing, China) (Carlos A. Coello Coello, ed.), 6-11 July 2014, pp. 603–609.
- [YCLG14] Ming Yang, Zhihua Cai, Changhe Li, and Jing Guan, An improved JADE algorithm for global optimization, Proceedings of the 2014 IEEE Congress on Evolutionary Computation (Beijing, China) (Carlos A. Coello Coello, ed.), 6-11 July 2014, pp. 806–812.
- [yDjLqW14] Ming yu Du, Xiu juan Lei, and Zhen qiang Wu, A simplified glowworm swarm optimization algorithm, Proceedings of the 2014 IEEE Congress on Evolutionary Computation (Beijing, China) (Carlos A. Coello Coello, ed.), 6-11 July 2014, pp. 2861–2868.

- [YDP14] Sishi Ye, Guangming Dai, and Lei Peng, A hybrid adaptive coevolutionary differential evolution algorithm for large-scale optimization, Proceedings of the 2014 IEEE Congress on Evolutionary Computation (Beijing, China) (Carlos A. Coello Coello, ed.), 6-11 July 2014, pp. 1277–1284.
- [YJ14] Ping Yan and Minghai Jiao, A chaotic particle swarm optimization algorithm for the jobshop scheduling problem, Proceedings of the 2014 IEEE Congress on Evolutionary Computation (Beijing, China) (Carlos A. Coello Coello, ed.), 6-11 July 2014, pp. 218–222.
- [YKZT14] Chao Yu, Lingchen Kelley, Shaoqiu Zheng, and Ying Tan, Fireworks algorithm with differential mutation for solving the CEC 2014 competition problems, Proceedings of the 2014 IEEE Congress on Evolutionary Computation (Beijing, China) (Carlos A. Coello Coello, ed.), 6-11 July 2014, pp. 3238–3245.
- [YL14a] James J.Q. Yu and Victor O.K. Li, Base station switching problem for green cellular networks with social spider algorithm, Proceedings of the 2014 IEEE Congress on Evolutionary Computation (Beijing, China) (Carlos A. Coello Coello, ed.), 6-11 July 2014, pp. 2338–2344.
- [YL14b] Jyh-Cheng Yu and Zhi-Fu Liang, Evolutionary regional network modeling for efficient engineering optimization, Proceedings of the 2014 IEEE Congress on Evolutionary Computation (Beijing, China) (Carlos A. Coello Coello, ed.), 6-11 July 2014, pp. 1258–1264.
- [YL14c] Wenchao Yu and Linji Lu, A route planning strategy for the automatic garment cutter based on genetic algorithm, Proceedings of the 2014 IEEE Congress on Evolutionary Computation (Beijing, China) (Carlos A. Coello Coello, ed.), 6-11 July 2014, pp. 379–386.
- [YLC14] Meng Yang, Rui Li, and Tianguang Chu, A new method and application for controlling the steady-state probability distributions of probabilistic Boolean networks, Proceedings of the 2014 IEEE Congress on Evolutionary Computation (Beijing, China) (Carlos A. Coello Coello, ed.), 6-11 July 2014, pp. 1490–1495.
- [YLFZ14] Zhile Yang, Kang Li, Aoife Foley, and Cheng Zhang, A new self-learning TLBO algorithm for RBF neural modelling of batteries in electric vehicles, Proceedings of the 2014 IEEE Congress on Evolutionary Computation (Beijing, China) (Carlos A. Coello Coello, ed.), 6-11 July 2014, pp. 2685–2691.
- [YLL14a] James J.Q. Yu, Albert Y.S. Lam, and Victor O.K. Li, *Chemical reaction optimization* for the set covering problem, Proceedings of the 2014 IEEE Congress on Evolutionary Computation (Beijing, China) (Carlos A. Coello Coello, ed.), 6-11 July 2014, pp. 512–519.
- [YLL14b] James J.Q. Yu, Victor O.K. Li, and Albert Y.S. Lam, An inter-molecular adaptive collision scheme for chemical reaction optimization, Proceedings of the 2014 IEEE Congress on Evolutionary Computation (Beijing, China) (Carlos A. Coello Coello, ed.), 6-11 July 2014, pp. 1998–2004.
- [YMZ14] Yang Yu, Hui Ma, and Mengjie Zhang, A genetic programming approach to distributed QoS-aware web service composition, Proceedings of the 2014 IEEE Congress on Evolutionary Computation (Beijing, China) (Carlos A. Coello Coello, ed.), 6-11 July 2014, pp. 1840–1846.
- [YQ14] Yang Yu and Hong Qian, *The sampling-and-learning framework: A statistical view of evolutionary algorithms*, Proceedings of the 2014 IEEE Congress on Evolutionary Computation (Beijing, China) (Carlos A. Coello Coello, ed.), 6-11 July 2014, pp. 149–158.

- [YSM⁺14] Mitchell Yuwono, Steven W. Su, Bruce D. Moulton, Ying Guo, and Hung T. Nguyen, An algorithm for scalable clustering: Ensemble rapid centroid estimation, Proceedings of the 2014 IEEE Congress on Evolutionary Computation (Beijing, China) (Carlos A. Coello Coello, ed.), 6-11 July 2014, pp. 1250–1257.
- [YT14] Zeratul Mohd Yusoh and Maolin Tang, Composite SaaS scaling in cloud computing using a hybrid genetic algorithm, Proceedings of the 2014 IEEE Congress on Evolutionary Computation (Beijing, China) (Carlos A. Coello Coello, ed.), 6-11 July 2014, pp. 1609–1616.
- [YTL14] Peng Yang, Ke Tang, and Jose Antonio Lozano, Estimation of distribution algorithms based unmanned aerial vehicle path planner using a new coordinate, Proceedings of the 2014 IEEE Congress on Evolutionary Computation (Beijing, China) (Carlos A. Coello Coello, ed.), 6-11 July 2014, pp. 1469–1476.
- [YXZQ14] Li Yexing, Cai Xinye, Fan Zhun, and Zhang Qingfu, An external archive guided multiobjective evolutionary approach based on decomposition for continuous optimization, Proceedings of the 2014 IEEE Congress on Evolutionary Computation (Beijing, China) (Carlos A. Coello Coello, ed.), 6-11 July 2014, pp. 1124–1130.
- [YY14] Toru Yoshida and Tomohiro Yoshikawa, A study on non-correspondence in spread between objective space and design variable space for trajectory designing optimization problem, Proceedings of the 2014 IEEE Congress on Evolutionary Computation (Beijing, China) (Carlos A. Coello Coello, ed.), 6-11 July 2014, pp. 2444–2450.
- [YZ14] Shiu Yin Yuen and Xin Zhang, Multiobjective evolutionary algorithm portfolio: Choosing suitable algorithm for multiobjective optimization problem, Proceedings of the 2014 IEEE Congress on Evolutionary Computation (Beijing, China) (Carlos A. Coello Coello, ed.), 6-11 July 2014, pp. 1967–1973.
- [YZM14] Meng Yu, Xingquan Zuo, and Chase C. Murray, A tabu search heuristic for the single row layout problem with shared clearances, Proceedings of the 2014 IEEE Congress on Evolutionary Computation (Beijing, China) (Carlos A. Coello Coello, ed.), 6-11 July 2014, pp. 819–825.
- [yZWyW14] Huan yu Zheng, Ling Wang, and Sheng yao Wang, A co-evolutionary teaching-learning-based optimization algorithm for stochastic RCPSP, Proceedings of the 2014 IEEE Congress on Evolutionary Computation (Beijing, China) (Carlos A. Coello Coello, ed.), 6-11 July 2014, pp. 587–594.
- [YZZ14] Chen Yue, Zhu Zexuan, and Ji Zhen, Feature extraction based on trimmed complex network representation for metabolomic data classification, Proceedings of the 2014 IEEE Congress on Evolutionary Computation (Beijing, China) (Carlos A. Coello Coello, ed.), 6-11 July 2014, pp. 366–370.
- [ZDK14] Ling Zhu, Kalyanmoy Deb, and Sandeep Kulkarni, Multi-scenario optimization using multi-criterion methods: A case study on Byzantine agreement problem, Proceedings of the 2014 IEEE Congress on Evolutionary Computation (Beijing, China) (Carlos A. Coello Coello, ed.), 6-11 July 2014, pp. 2601–2608.
- [ZDPW14] Yuzhen Zhang, Guangming Dai, Lei Peng, and Maocai Wang, HMOEDA_LLE: A hybrid multi-objective estimation of distribution algorithm combining locally linear embedding, Proceedings of the 2014 IEEE Congress on Evolutionary Computation (Beijing, China) (Carlos A. Coello Coello, ed.), 6-11 July 2014, pp. 707–714.
- [ZGZ14] Wei Zhang, Yanan Gao, and Chengxing Zhang, The enhanced vector of convergence for particle swarm optimization based on constrict factor, Proceedings of the 2014 IEEE Congress on Evolutionary Computation (Beijing, China) (Carlos A. Coello Coello, ed.), 6-11 July 2014, pp. 1337–1342.

- [ZH14] Lifeng Zhang and Rong He, A globally diversified island model PGA for multimodal optimization, Proceedings of the 2014 IEEE Congress on Evolutionary Computation (Beijing, China) (Carlos A. Coello Coello, ed.), 6-11 July 2014, pp. 2553–2561.
- [ZhDyS⁺14] Biao Zhang, Jun hua Duan, Hong yan Sang, Jun qing Li, and Hui Yan, *A new penalty function method for constrained optimization using harmony search algorithm*, Proceedings of the 2014 IEEE Congress on Evolutionary Computation (Beijing, China) (Carlos A. Coello Coello, ed.), 6-11 July 2014, pp. 853–859.
- [ZJ14] Drahoslav Zan and Jiri Jaros, Solving the multidimensional knapsack problem using a CUDA accelerated PSO, Proceedings of the 2014 IEEE Congress on Evolutionary Computation (Beijing, China) (Carlos A. Coello Coello, ed.), 6-11 July 2014, pp. 2933–2939.
- [ZJLT14] Shaoqiu Zheng, Andreas Janecek, Junzhi Li, and Ying Tan, *Dynamic search in fireworks algorithm*, Proceedings of the 2014 IEEE Congress on Evolutionary Computation (Beijing, China) (Carlos A. Coello Coello, ed.), 6-11 July 2014, pp. 3222–3229.
- [ZL14] Geng Zhang and Yangmin Li, Cooperative particle swarm optimizer with elimination mechanism for global optimization of multimodal problems, Proceedings of the 2014 IEEE Congress on Evolutionary Computation (Beijing, China) (Carlos A. Coello Coello, ed.), 6-11 July 2014, pp. 210–217.
- [ZLLT14] Zhongyang Zheng, Junzhi Li, Jie Li, and Ying Tan, Avoiding decoys in multiple targets searching problems using swarm robotics, Proceedings of the 2014 IEEE Congress on Evolutionary Computation (Beijing, China) (Carlos A. Coello Coello, ed.), 6-11 July 2014, pp. 784–791.
- [ZLY14] Tao Zhu, Wenjian Luo, and Lihua Yue, Combining multipopulation evolutionary algorithms with memory for dynamic optimization problems, Proceedings of the 2014 IEEE Congress on Evolutionary Computation (Beijing, China) (Carlos A. Coello Coello, ed.), 6-11 July 2014, pp. 2047–2054.
- [ZLZ14] Xuezhi Zhu, Wenjian Luo, and Tao Zhu, An improved genetic algorithm for dynamic shortest path problems, Proceedings of the 2014 IEEE Congress on Evolutionary Computation (Beijing, China) (Carlos A. Coello Coello, ed.), 6-11 July 2014, pp. 2093–2100.
- [ZM14] Jin Zhang and Dietmar Maringer, Two parameter update schemes for recurrent reinforcement learning, Proceedings of the 2014 IEEE Congress on Evolutionary Computation (Beijing, China) (Carlos A. Coello Coello, ed.), 6-11 July 2014, pp. 1449–1453.
- [ZPY14] Xing Zhou, Wei Peng, and Bo Yang, GEAS: A GA-ES-mixed algorithm for parameterized optimization problems using CLS problem as an example, Proceedings of the 2014 IEEE Congress on Evolutionary Computation (Beijing, China) (Carlos A. Coello Coello, ed.), 6-11 July 2014, pp. 888–894.
- [ZS14] Yujiao Zeng and Yanguang Sun, Comparison of multiobjective particle swarm optimization and evolutionary algorithms for optimal reactive power dispatch problem, Proceedings of the 2014 IEEE Congress on Evolutionary Computation (Beijing, China) (Carlos A. Coello Coello, ed.), 6-11 July 2014, pp. 258–265.
- [ZSA14] Bin Zhang, Kamran Shafi, and Hussein Abbass, Online knowledge-based evolutionary multi-objective optimization, Proceedings of the 2014 IEEE Congress on Evolutionary Computation (Beijing, China) (Carlos A. Coello Coello, ed.), 6-11 July 2014, pp. 2222–2229.

- [ZSZG14] Hu Zhang, Shenmin Song, Aimin Zhou, and Xiao-Zhi Gao, A clustering based multiobjective evolutionary algorithm, Proceedings of the 2014 IEEE Congress on Evolutionary Computation (Beijing, China) (Carlos A. Coello Coello, ed.), 6-11 July 2014, pp. 723–730.
- [ZWL14] Kai Zhang, Thomas Weise, and Jinlong Li, Fitness level based adaptive operator selection for cutting stock problems with contiguity, Proceedings of the 2014 IEEE Congress on Evolutionary Computation (Beijing, China) (Carlos A. Coello Coello, ed.), 6-11 July 2014, pp. 2539–2546.
- [ZWW14] Xiaolong Zheng, Ling Wang, and Shengyao Wang, An enhanced non-dominated sorting based fruit fly optimization algorithm for solving environmental economic dispatch problem, Proceedings of the 2014 IEEE Congress on Evolutionary Computation (Beijing, China) (Carlos A. Coello Coello, ed.), 6-11 July 2014, pp. 626–633.
- [ZXXD14] Xinlu Zong, Shengwu Xiong, Hui Xu, and Pengfei Duan, Space-time simulation model based on particle swarm optimization algorithm for stadium evacuation, Proceedings of the 2014 IEEE Congress on Evolutionary Computation (Beijing, China) (Carlos A. Coello Coello, ed.), 6-11 July 2014, pp. 194–201.
- [ZZ14] Zhi-Hui Zhan and Jun Zhang, Adaptive particle swarm optimization with variable relocation for dynamic optimization problems, Proceedings of the 2014 IEEE Congress on Evolutionary Computation (Beijing, China) (Carlos A. Coello Coello, ed.), 6-11 July 2014, pp. 1565–1570.
- [ZZC14] Yu-Jun Zheng, Bei Zhang, and Zhen Cheng, Hyper-heuristics with penalty parameter adaptation for constrained optimization, Proceedings of the 2014 IEEE Congress on Evolutionary Computation (Beijing, China) (Carlos A. Coello Coello, ed.), 6-11 July 2014, pp. 1883–1889.
- [ZZCC14] Jianlei Zhang, Chunyan Zhang, Tianguang Chu, and Ming Cao, Cooperation with potential leaders in evolutionary game study of networking agents, Proceedings of the 2014 IEEE Congress on Evolutionary Computation (Beijing, China) (Carlos A. Coello Coello, ed.), 6-11 July 2014, pp. 918–923.
- [ZZWY14] Junqi Zhang, Xiong Zhu, Wei Wang, and Jing Yao, A fast restarting particle swarm optimizer, Proceedings of the 2014 IEEE Congress on Evolutionary Computation (Beijing, China) (Carlos A. Coello Coello, ed.), 6-11 July 2014, pp. 1351–1358.
- [ZZZ14] Bei Zhang, Min-Xia Zhang, and Yu-Jun Zheng, *A hybrid biogeography-based optimization and fireworks algorithm*, Proceedings of the 2014 IEEE Congress on Evolutionary Computation (Beijing, China) (Carlos A. Coello Coello, ed.), 6-11 July 2014, pp. 3200–3206.