## Список литературы

- [Abdulhamid et al.(2012)Abdulhamid, Song, Neshatian, and Zhang] F. Abdulhamid, A. Song, K. Neshatian, and M. Zhang, "Evolving genetic programming classifiers with loop structures," in *Proceedings of the 2012 IEEE Congress on Evolutionary Computation*, X. Li, Ed., Brisbane, Australia, 10-15 June 2012, pp. 2710–2717.
- [Abello et al.(2012)Abello, Michalewicz, and Bui] M. Abello, Z. Michalewicz, and L. T. Bui, "A reactive-proactive approach for solving dynamic scheduling with time-varying number of tasks," in *Proceedings of the 2012 IEEE Congress on Evolutionary Computation*, X. Li, Ed., Brisbane, Australia, 10-15 June 2012, pp. 2121–2130.
- [Adewumi et al.(2012)Adewumi, Budlender, and Olusanya] A. Adewumi, N. Budlender, and M. Olusanya, "Optimizing the assignment of blood in a blood banking system: Some initial results," in *Proceedings of the 2012 IEEE Congress on Evolutionary Computation*, X. Li, Ed., Brisbane, Australia, 10-15 June 2012, pp. 751–756.
- [Ahmed and Shaheen(2012)] K. Ahmed and F. Shaheen, "PSO as a meta-search for hyper-GA system to evolve optimal agendas for sequential multi-issue negotiation," in *Proceedings of the 2012 IEEE Congress on Evolutionary Computation*, X. Li, Ed., Brisbane, Australia, 10-15 June 2012, pp. 3108–3115.
- [Akay and Kirmizi(2012)] B. Akay and I. Kirmizi, "Structural optimization of wavelet packets using swarm algorithms," in *Proceedings of the 2012 IEEE Congress on Evolutionary Computation*, X. Li, Ed., Brisbane, Australia, 10-15 June 2012, pp. 2931–2935.
- [Al-Sahaf et al.(2012)Al-Sahaf, Song, Neshatian, and Zhang] H. Al-Sahaf, A. Song, K. Neshatian, and M. Zhang, "Extracting image features for classification by two-tier genetic programming," in *Proceedings of the 2012 IEEE Congress on Evolutionary Computation*, X. Li, Ed., Brisbane, Australia, 10-15 June 2012, pp. 1630–1637.
- [Alam et al.(2012a)Alam, Lokan, and Abbass] S. Alam, C. Lokan, and H. Abbass, "What can make an airspace unsafe? characterizing collision risk using multi-objective optimization," in *Proceedings* of the 2012 IEEE Congress on Evolutionary Computation, X. Li, Ed., Brisbane, Australia, 10-15 June 2012, pp. 214–221.
- [Alam et al.(2012b)Alam, Gillian, Riddle, and Koh] S. Alam, D. Gillian, P. Riddle, and Y. S. Koh, "Hierarchical PSO clustering based recommender system," in *Proceedings of the 2012 IEEE Congress on Evolutionary Computation*, X. Li, Ed., Brisbane, Australia, 10-15 June 2012, pp. 879–886.
- [Albaity et al.(2012)Albaity, Meshoul, and Kaban] H. Albaity, S. Meshoul, and A. Kaban, "On extending quantum behaved particle swarm optimization to multiobjective context," in *Proceedings of the 2012 IEEE Congress on Evolutionary Computation*, X. Li, Ed., Brisbane, Australia, 10-15 June 2012, pp. 1967–1974.
- [Albukhanajer et al.(2012) Albukhanajer, Jin, Briffa, and Williams] W. Albukhanajer, Y. Jin, J. Briffa, and G. Williams, "Evolutionary multi-objective optimization of trace transform for invariant feature extraction," in *Proceedings of the 2012 IEEE Congress on Evolutionary Computation*, X. Li, Ed., Brisbane, Australia, 10-15 June 2012, pp. 1458–1465.
- [Aleti et al.(2012)Aleti, Moser, and Mostaghim] A. Aleti, I. Moser, and S. Mostaghim, "Adaptive range parameter control," in *Proceedings of the 2012 IEEE Congress on Evolutionary Computation*, X. Li, Ed., Brisbane, Australia, 10-15 June 2012, pp. 2405–2412.
- [Alghamdi et al.(2012)Alghamdi, Tang, and Alshomrani] H. Alghamdi, L. Tang, and S. Alshomrani, "Hybrid ACO and TOFA feature selection approach for text classification," in *Proceedings of the* 2012 IEEE Congress on Evolutionary Computation, X. Li, Ed., Brisbane, Australia, 10-15 June 2012, pp. 3184–3189.

- [Ali et al.(2012)Ali, Salhieh, and Reynolds] M. Ali, A. Salhieh, and R. Reynolds, "Socio-cultural evolution via neighborhood restructuring in intricate multi-layered networks," in *Proceedings* of the 2012 IEEE Congress on Evolutionary Computation, X. Li, Ed., Brisbane, Australia, 10-15 June 2012, pp. 3387–3394.
- [Almakhlafi and Knowles(2012)] A. Almakhlafi and J. Knowles, "Benchmarks for maintenance scheduling problems in power generation," in *Proceedings of the 2012 IEEE Congress on Evolutionary Computation*, X. Li, Ed., Brisbane, Australia, 10-15 June 2012, pp. 3464–3471.
- [Alsheddy and Kampouridis(2012)] A. Alsheddy and M. Kampouridis, "Off-line parameter tuning for guided local search using genetic programming," in *Proceedings of the 2012 IEEE Congress on Evolutionary Computation*, X. Li, Ed., Brisbane, Australia, 10-15 June 2012, pp. 112–116.
- [Alvares et al.(2012)Alvares, Buarque, and Marwala] M. Alvares, F. Buarque, and T. Marwala, "Optimizing risk management using NSGA-II," in *Proceedings of the 2012 IEEE Congress on Evolutionary Computation*, X. Li, Ed., Brisbane, Australia, 10-15 June 2012, pp. 477–484.
- [Amaral and Hruschka(2012)] L. Amaral and E. Hruschka, "Never-ending learning principles in gene ontology classification using genetic algorithms," in *Proceedings of the 2012 IEEE Congress on Evolutionary Computation*, X. Li, Ed., Brisbane, Australia, 10-15 June 2012, pp. 676–683.
- [Anh et al.(2012)Anh, Luis, and Francisco] H. T. Anh, M. P. Luis, and C. S. Francisco, "Intention recognition, commitment and the evolution of cooperation," in *Proceedings of the 2012 IEEE Congress on Evolutionary Computation*, X. Li, Ed., Brisbane, Australia, 10-15 June 2012, pp. 2025–2032.
- [Arias-Montano et al.(2012)Arias-Montano, Coello Coello, and Mezura-Montes] A. Arias-Montano, C. A. Coello Coello, and E. Mezura-Montes, "Multi-objective airfoil shape optimization using a multiple-surrogate approach," in *Proceedings of the 2012 IEEE Congress on Evolutionary Computation*, X. Li, Ed., Brisbane, Australia, 10-15 June 2012, pp. 2178–2185.
- [Asafuddoula et al.(2012)Asafuddoula, Ray, Sarker, and Alam] M. Asafuddoula, T. Ray, R. Sarker, and K. Alam, "An adaptive constraint handling approach embedded MOEA/D," in *Proceedings of the 2012 IEEE Congress on Evolutionary Computation*, X. Li, Ed., Brisbane, Australia, 10-15 June 2012, pp. 2651–2658.
- [Ashlock and Ashlock(2012)] D. Ashlock and W. Ashlock, "Impact of regulatory genes on optimization behavior," in *Proceedings of the 2012 IEEE Congress on Evolutionary Computation*, X. Li, Ed., Brisbane, Australia, 10-15 June 2012, pp. 3403–3410.
- [Ashlock and McNicholas(2012)] D. Ashlock and S. McNicholas, "Single parent generalization of cellular automata rules," in *Proceedings of the 2012 IEEE Congress on Evolutionary Computation*, X. Li, Ed., Brisbane, Australia, 10-15 June 2012, pp. 263–270.
- [Atyabi et al.(2012a)Atyabi, Luerssen, Fitzgibbon, and Powers] A. Atyabi, M. Luerssen, S. P. Fitzgibbon, and D. M. W. Powers, "Evolutionary feature selection and electrode reduction for EEG classification," in *Proceedings of the 2012 IEEE Congress on Evolutionary Computation*, X. Li, Ed., Brisbane, Australia, 10-15 June 2012, pp. 161–168.
- [Atyabi et al.(2012b)Atyabi, Luerssen, Fitzgibbon, and Powers] ——, "Dimension reduction in EEG data using particle swarm optimization," in *Proceedings of the 2012 IEEE Congress on Evolutionary Computation*, X. Li, Ed., Brisbane, Australia, 10-15 June 2012, pp. 2147–2154.
- [Atyabi et al.(2012c)Atyabi, Luerssen, Fitzgibbon, and Powers] ——, "Adapting subject-independent task-specific EEG feature masks using PSO," in *Proceedings of the 2012 IEEE Congress on Evolutionary Computation*, X. Li, Ed., Brisbane, Australia, 10-15 June 2012, pp. 2155–2161.
- [Au and Leung(2012)] C.-K. Au and H.-F. Leung, "Eigenspace sampling in the mirrored variant of (1,lambda)-CMA-ES," in *Proceedings of the 2012 IEEE Congress on Evolutionary Computation*, X. Li, Ed., Brisbane, Australia, 10-15 June 2012, pp. 871–878.

- [Avasarala and Bonissone(2012)] V. Avasarala and P. Bonissone, "iPresage: An innovative patent landscaping tool," in *Proceedings of the 2012 IEEE Congress on Evolutionary Computation*, X. Li, Ed., Brisbane, Australia, 10-15 June 2012, pp. 372–378.
- [Balazs and Koczy(2012)] K. Balazs and L. T. Koczy, "Hybrid bacterial iterated greedy heuristics for the permutation flow shop problem," in *Proceedings of the 2012 IEEE Congress on Evolutionary Computation*, X. Li, Ed., Brisbane, Australia, 10-15 June 2012, pp. 1497–1504.
- [Balcar et al.(2012)Balcar, Pilat, and Neruda] S. Balcar, M. Pilat, and R. Neruda, "An evolutionary algorithm for 2D semi-guillotinable circular saw cutting," in *Proceedings of the 2012 IEEE Congress on Evolutionary Computation*, X. Li, Ed., Brisbane, Australia, 10-15 June 2012, pp. 1908–1912.
- [Bansal et al.(2012)Bansal, Srivastava, and Srivastava] R. Bansal, K. Srivastava, and S. Srivastava, "A hybrid evolutionary algorithm for the cutwidth minimization problem," in *Proceedings of the 2012 IEEE Congress on Evolutionary Computation*, X. Li, Ed., Brisbane, Australia, 10-15 June 2012, pp. 2263–2270.
- [Barmada et al.(2012)Barmada, Raugi, and Tucci] S. Barmada, M. Raugi, and M. Tucci, "Global optimization algorithm based on self-organizing centroids," in *Proceedings of the 2012 IEEE Congress on Evolutionary Computation*, X. Li, Ed., Brisbane, Australia, 10-15 June 2012, pp. 1851–1856.
- [Bashir and Neville(2012a)] H. Bashir and R. Neville, "Convergence measurement in evolutionary computation using Price's theorem," in *Proceedings of the 2012 IEEE Congress on Evolutionary Computation*, X. Li, Ed., Brisbane, Australia, 10-15 June 2012, pp. 2559–2566.
- [Bashir and Neville(2012b)] —, "A hybrid evolutionary computation algorithm for global optimization," in *Proceedings of the 2012 IEEE Congress on Evolutionary Computation*, X. Li, Ed., Brisbane, Australia, 10-15 June 2012, pp. 2829–2836.
- [Baydin and de Mantaras(2012)] A. G. Baydin and R. L. de Mantaras, "Evolution of ideas: A novel memetic algorithm based on semantic networks," in *Proceedings of the 2012 IEEE Congress on Evolutionary Computation*, X. Li, Ed., Brisbane, Australia, 10-15 June 2012, pp. 2774–2781.
- [Beer et al.(2012)Beer, Hendtlass, and Montgomery] C. Beer, T. Hendtlass, and J. Montgomery, "Improving exploration in ant colony optimisation with antennation," in *Proceedings of the 2012 IEEE Congress on Evolutionary Computation*, X. Li, Ed., Brisbane, Australia, 10-15 June 2012, pp. 2944–2951.
- [Benedicic et al.(2012)Benedicic, Stular, and Korosec] L. Benedicic, M. Stular, and P. Korosec, "Balancing downlink and uplink soft-handover areas in UMTS networks," in *Proceedings of the 2012 IEEE Congress on Evolutionary Computation*, X. Li, Ed., Brisbane, Australia, 10-15 June 2012, pp. 1002–1009.
- [Bhowmik et al.(2012)Bhowmik, Rakshit, Konar, Kim, and Nagar] P. Bhowmik, P. Rakshit, A. Konar, E. Kim, and A. K. Nagar, "DE-TDQL: An adaptive memetic algorithm," in *Proceedings of the 2012 IEEE Congress on Evolutionary Computation*, X. Li, Ed., Brisbane, Australia, 10-15 June 2012, pp. 2444–2451.
- [Bidlo and Vasicek(2012)] M. Bidlo and Z. Vasicek, "Evolution of cellular automata using instruction-based approach," in *Proceedings of the 2012 IEEE Congress on Evolutionary Computation*, X. Li, Ed., Brisbane, Australia, 10-15 June 2012, pp. 2057–2064.
- [Bodas-Sagi et al.(2012)Bodas-Sagi, Soltero, Hidalgo, Fernandez-Blanco, and de Vega] D. Bodas-Sagi, F. J. Soltero, J. I. Hidalgo, P. Fernandez-Blanco, and F. F. de Vega, "A technique for the optimization of the parameters of technical indicators with multi-objective evolutionary algorithms," in *Proceedings of the 2012 IEEE Congress on Evolutionary Computation*, X. Li, Ed., Brisbane, Australia, 10-15 June 2012, pp. 2493–2500.

- [Bonyadi and Michalewicz(2012)] M. R. Bonyadi and Z. Michalewicz, "A fast particle swarm optimization algorithm for the multidimensional knapsack problem," in *Proceedings of the 2012 IEEE Congress on Evolutionary Computation*, X. Li, Ed., Brisbane, Australia, 10-15 June 2012, pp. 1402–1409.
- [Borges et al.(2012)Borges, Ferrari, and de Castro] E. Borges, D. G. Ferrari, and L. N. de Castro, "Silhouette-based clustering using an immune network," in *Proceedings of the 2012 IEEE Congress on Evolutionary Computation*, X. Li, Ed., Brisbane, Australia, 10-15 June 2012, pp. 1768–1776.
- [Brabazon et al.(2012)Brabazon, Silva, and O'Neill] A. Brabazon, A. Silva, and M. O'Neill, "Optimal patent design: An agent-based approach," in *Proceedings of the 2012 IEEE Congress on Evolutionary Computation*, X. Li, Ed., Brisbane, Australia, 10-15 June 2012, pp. 1102–1109.
- [Brest et al.(2012)Brest, Boskovic, Zamuda, Fister, and Maucec] J. Brest, B. Boskovic, A. Zamuda, I. Fister, and M. S. Maucec, "Self-adaptive differential evolution algorithm with a small and varying population size," in *Proceedings of the 2012 IEEE Congress on Evolutionary Computation*, X. Li, Ed., Brisbane, Australia, 10-15 June 2012, pp. 2868–2875.
- [Britto and Pozo(2012)] A. Britto and A. Pozo, "Using archiving methods to control convergence and diversity for many-objective problems in particle swarm optimization," in *Proceedings of the 2012 IEEE Congress on Evolutionary Computation*, X. Li, Ed., Brisbane, Australia, 10-15 June 2012, pp. 1646–1653.
- [Britto et al.(2012)Britto, Neto, Rabelo, Ayala, and Soares] R. Britto, P. S. Neto, R. Rabelo, W. Ayala, and T. Soares, "A hybrid approach to solve the agile team allocation problem," in *Proceedings of the 2012 IEEE Congress on Evolutionary Computation*, X. Li, Ed., Brisbane, Australia, 10-15 June 2012, pp. 3599–3606.
- [Bruck et al.(2012)Bruck, Santos, and Arroyo] B. Bruck, A. Santos, and J. Arroyo, "Hybrid metaheuristic for the single vehicle routing problem with deliveries and selective pickups," in *Proceedings of the 2012 IEEE Congress on Evolutionary Computation*, X. Li, Ed., Brisbane, Australia, 10-15 June 2012, pp. 1913–1920.
- [Bui et al.(2012)Bui, Bender, and Abbass] V. Bui, A. Bender, and H. Abbass, "An expressive GL-2 grammar for representing story-like scenarios," in *Proceedings of the 2012 IEEE Congress on Evolutionary Computation*, X. Li, Ed., Brisbane, Australia, 10-15 June 2012, pp. 2782–2789.
- [Buijs et al.(2012)Buijs, van Dongen, and van der Aals] J. Buijs, B. van Dongen, and W. van der Aals, "A genetic algorithm for discovering process trees," in *Proceedings of the 2012 IEEE Congress on Evolutionary Computation*, X. Li, Ed., Brisbane, Australia, 10-15 June 2012, pp. 1929–1936.
- [Bukhtoyarov and Semenkin(2012)] V. Bukhtoyarov and E. Semenkin, "Neural networks ensemble approach for detecting attacks in computer networks," in *Proceedings of the 2012 IEEE Congress on Evolutionary Computation*, X. Li, Ed., Brisbane, Australia, 10-15 June 2012, pp. 3078–3083.
- [Caamano et al.(2012)Caamano, Bellas, Becerra, Diaz, and Duro] P. Caamano, F. Bellas, J. A. Becerra, V. Diaz, and R. J. Duro, "Experimental analysis of the relevance of fitness landscape topographical characterization," in *Proceedings of the 2012 IEEE Congress on Evolutionary Computation*, X. Li, Ed., Brisbane, Australia, 10-15 June 2012, pp. 3371–3378.
- [Cai et al.(2012)Cai, Hu, Das, and Welch] X. Cai, Z. Hu, S. Das, and S. Welch, "A hierarchical pareto dominance based multi-objective approach for the optimization of gene regulatory network models," in *Proceedings of the 2012 IEEE Congress on Evolutionary Computation*, X. Li, Ed., Brisbane, Australia, 10-15 June 2012, pp. 1737–1742.
- [Campomanes-Alvarez et al.(2012)Campomanes-Alvarez, Damas, and Cordon] B. R. Campomanes-Alvarez, S. Damas, and O. Cordon, "Mesh simplification for 3D modeling using evolutionary multi-objective optimization," in *Proceedings of the 2012 IEEE Congress on Evolutionary Computation*, X. Li, Ed., Brisbane, Australia, 10-15 June 2012, pp. 1364–1371.

- [Cancino et al.(2012)Cancino, Boukhelifa, and Lutton] W. Cancino, N. Boukhelifa, and E. Lutton, "EvoGraphDice: Interactive evolution for visual analytics," in *Proceedings of the 2012 IEEE Congress on Evolutionary Computation*, X. Li, Ed., Brisbane, Australia, 10-15 June 2012, pp. 2286–2293.
- [Cao et al.(2012)Cao, Recknagel, and Orr] H. Cao, F. Recknagel, and P. T. Orr, "The experimental study of population-based parameter optimization algorithms on rule-based ecological modelling," in *Proceedings of the 2012 IEEE Congress on Evolutionary Computation*, X. Li, Ed., Brisbane, Australia, 10-15 June 2012, pp. 3254–3261.
- [Carraro and de Castro(2012)] L. A. Carraro and L. N. de Castro, "A clonal selection algorithm to minimize reshuffling in container stacking operations," in *Proceedings of the 2012 IEEE Congress on Evolutionary Computation*, X. Li, Ed., Brisbane, Australia, 10-15 June 2012, pp. 1777–1784.
- [Castle and Johnson(2012)] T. Castle and C. Johnson, "Evolving program trees with limited scope variable declarations," in *Proceedings of the 2012 IEEE Congress on Evolutionary Computation*, X. Li, Ed., Brisbane, Australia, 10-15 June 2012, pp. 2250–2257.
- [Cepeda et al.(2012)Cepeda, Rueda, and Erlich] J. Cepeda, J. Rueda, and I. Erlich, "Identification of dynamic equivalents based on heuristic optimization for smart grid applications," in *Proceedings* of the 2012 IEEE Congress on Evolutionary Computation, X. Li, Ed., Brisbane, Australia, 10-15 June 2012, pp. 1168–1175.
- [Cervante et al.(2012)Cervante, Xue, Zhang, and Shang] L. Cervante, B. Xue, M. Zhang, and L. Shang, "Binary particle swarm optimisation for feature selection: A filter based approach," in *Proceedings of the 2012 IEEE Congress on Evolutionary Computation*, X. Li, Ed., Brisbane, Australia, 10-15 June 2012, pp. 1877–1884.
- [Chaari et al.(2012)Chaari, Koubaa, Bennaceur, Trigui, and Al-Shalfan] I. Chaari, A. Koubaa, H. Bennaceur, S. Trigui, and K. Al-Shalfan, "smartPATH: A hybrid ACO-GA algorithm for robot path planning," in *Proceedings of the 2012 IEEE Congress on Evolutionary Computation*, X. Li, Ed., Brisbane, Australia, 10-15 June 2012, pp. 206-213.
- [Chakraborty et al.(2012)Chakraborty, Das, and Abbott] U. Chakraborty, S. Das, and T. Abbott, "Energy-efficient routing in hierarchical wireless sensor networks using differential-evolution-based memetic algorithm," in *Proceedings of the 2012 IEEE Congress on Evolutionary Computation*, X. Li, Ed., Brisbane, Australia, 10-15 June 2012, pp. 3427–3434.
- [Chan et al.(2012)Chan, Ling, Nguyen, and Jiang] K. Y. Chan, S. H. Ling, H. Nguyen, and F. Jiang, "A hypoglycemic episode diagnosis system based on neural networks for type 1 diabetes mellitus," in *Proceedings of the 2012 IEEE Congress on Evolutionary Computation*, X. Li, Ed., Brisbane, Australia, 10-15 June 2012, pp. 942–947.
- [Chang et al.(2012)Chang, Chin, Teo, and Mountstephens] K. T. Chang, K. O. Chin, J. Teo, and J. Mountstephens, "Game AI generation using evolutionary multi-objective optimization," in *Proceedings of the 2012 IEEE Congress on Evolutionary Computation*, X. Li, Ed., Brisbane, Australia, 10-15 June 2012, pp. 948–955.
- [Chen et al.(2012c)Chen, Liang, and Liu] A. H.-L. Chen, Y.-C. Liang, and C.-C. Liu, "An artificial bee colony algorithm for the cardinality-constrained portfolio optimization problems," in *Proceedings* of the 2012 IEEE Congress on Evolutionary Computation, X. Li, Ed., Brisbane, Australia, 10-15 June 2012, pp. 2936–2943.
- [Chen et al.(2012a)Chen, Tsai, and Yang] J.-L. Chen, C.-W. Tsai, and C.-S. Yang, "An improved LGA for protein-ligand docking prediction," in *Proceedings of the 2012 IEEE Congress on Evolutionary Computation*, X. Li, Ed., Brisbane, Australia, 10-15 June 2012, pp. 302–307.
- [Chen and Wang(2012)] M.-L. Chen and F.-S. Wang, "Fuzzy optimization for a batch simultaneous saccharification and co-fermentation process by hybrid differental evolution," in *Proceedings of the 2012 IEEE Congress on Evolutionary Computation*, X. Li, Ed., Brisbane, Australia, 10-15 June 2012, pp. 2890–2897.

- [Chen and Gostoli(2012)] S.-H. Chen and U. Gostoli, "Coordination in the El Farol bar problem: The role of social preferences and social networks," in *Proceedings of the 2012 IEEE Congress on Evolutionary Computation*, X. Li, Ed., Brisbane, Australia, 10-15 June 2012, pp. 1152–1159.
- [Chen(2012)] S. Chen, "Particle swarm optimization with pbest crossover," in *Proceedings of the 2012 IEEE Congress on Evolutionary Computation*, X. Li, Ed., Brisbane, Australia, 10-15 June 2012, pp. 540–545.
- [Chen et al.(2012b)Chen, Xudiera, and Montgomery] S. Chen, C. Xudiera, and J. Montgomery, "Simulated annealing with thresheld convergence," in *Proceedings of the 2012 IEEE Congress on Evolutionary Computation*, X. Li, Ed., Brisbane, Australia, 10-15 June 2012, pp. 2537–2543.
- [Cheng et al.(2012b)Cheng, Yao, Xue, and Shen] R. Cheng, M. Yao, X. Xue, and B. Shen, "Bisexual evolution: A novel bisexual evolutionary framework based on the fisher's runaway process," in *Proceedings of the 2012 IEEE Congress on Evolutionary Computation*, X. Li, Ed., Brisbane, Australia, 10-15 June 2012, pp. 1952–1959.
- [Cheng et al.(2012a)Cheng, Shi, and Qin] S. Cheng, Y. Shi, and Q. Qin, "Population diversity based study on search information propagation in particle swarm optimization," in *Proceedings of the 2012 IEEE Congress on Evolutionary Computation*, X. Li, Ed., Brisbane, Australia, 10-15 June 2012, pp. 562–569.
- [Cheng et al.(2012c)Cheng, Shi, and Qin] ——, "Dynamical exploitation space reduction in particle swarm optimization for solving large scale problems," in *Proceedings of the 2012 IEEE Congress on Evolutionary Computation*, X. Li, Ed., Brisbane, Australia, 10-15 June 2012, pp. 3023–3030.
- [Cheng et al.(2012d)Cheng, Shi, and Qin] —, "Particle swarm optimization based semi-supervised learning on chinese text categorization," in *Proceedings of the 2012 IEEE Congress on Evolutionary Computation*, X. Li, Ed., Brisbane, Australia, 10-15 June 2012, pp. 3176–3183.
- [Cheung et al.(2012)Cheung, Valdes, and Li] C. Cheung, J. J. Valdes, and M. Li, "Use of evolutionary computation techniques for exploration and prediction of helicopter loads," in *Proceedings of the 2012 IEEE Congress on Evolutionary Computation*, X. Li, Ed., Brisbane, Australia, 10-15 June 2012, pp. 1130–1137.
- [Chikumbo et al.(2012)Chikumbo, Goodman, and Deb] O. Chikumbo, E. Goodman, and K. Deb, "Approximating a multi-dimensional Pareto front for a land use management problem: A modified MOEA with an epigenetic silencing metaphor," in *Proceedings of the 2012 IEEE Congress on Evolutionary Computation*, X. Li, Ed., Brisbane, Australia, 10-15 June 2012, pp. 1529–1537.
- [Chiong and Kirley(2012)] R. Chiong and M. Kirley, "The evolution of cooperation via stigmergic interactions," in *Proceedings of the 2012 IEEE Congress on Evolutionary Computation*, X. Li, Ed., Brisbane, Australia, 10-15 June 2012, pp. 2017–2024.
- [Chira et al.(2012)Chira, Gog, and Iclanzan] C. Chira, A. Gog, and D. Iclanzan, "Evolutionary detection of community structures in complex networks: a new fitness function," in *Proceedings of the 2012 IEEE Congress on Evolutionary Computation*, X. Li, Ed., Brisbane, Australia, 10-15 June 2012, pp. 2365–2372.
- [Ch'ng and Teo(2012)] S. H. Ch'ng and J. Teo, "Online evolution of offensive strategies in real-time strategy gaming," in *Proceedings of the 2012 IEEE Congress on Evolutionary Computation*, X. Li, Ed., Brisbane, Australia, 10-15 June 2012, pp. 100–107.
- [Chow and Yuen(2012)] C. K. Chow and S. Y. Yuen, "Continuous non-revisiting genetic algorithm with overlapped search sub-region," in *Proceedings of the 2012 IEEE Congress on Evolutionary Computation*, X. Li, Ed., Brisbane, Australia, 10-15 June 2012, pp. 2975–2982.
- [Chowdhury et al.(2012)Chowdhury, Chetty, and Vinh] A. Chowdhury, M. Chetty, and N. Vinh, "Adaptive regulatory genes cardinality for reconstructing genetic networks," in *Proceedings of the 2012 IEEE Congress on Evolutionary Computation*, X. Li, Ed., Brisbane, Australia, 10-15 June 2012, pp. 1285–1292.

- [Ciesielski et al.(2012) Ciesielski, Lam, and Nguyen] V. Ciesielski, B. Lam, and M. L. Nguyen, "Comparison of evolutionary and conventional feature extraction methods for malt classification," in *Proceedings of the 2012 IEEE Congress on Evolutionary Computation*, X. Li, Ed., Brisbane, Australia, 10-15 June 2012, pp. 1349–1355.
- [Coelho et al.(2012)Coelho, Wanner, Souza, Carrano, and Purshouse] D. G. Coelho, E. F. Wanner, S. R. Souza, E. G. Carrano, and R. C. Purshouse, "A multiobjective evolutionary algorithm for the 2D guillotine strip packing problem," in *Proceedings of the 2012 IEEE Congress on Evolutionary Computation*, X. Li, Ed., Brisbane, Australia, 10-15 June 2012, pp. 2009–2016.
- [Conesa-Munoz et al.(2012)Conesa-Munoz, Ribeiro, Andujar, Fernandez-Quintanilla, and Dorado] J. Conesa-Munoz, A. Ribeiro, D. Andujar, C. Fernandez-Quintanilla, and J. Dorado, "Multi-path planning based on a NSGA-II for a fleet of robots to work on agricultural tasks," in *Proceedings of the 2012 IEEE Congress on Evolutionary Computation*, X. Li, Ed., Brisbane, Australia, 10-15 June 2012, pp. 648–655.
- [Conti et al.(2012)Conti, Roisenberg, and Neto] C. R. Conti, M. Roisenberg, and G. S. Neto, "Acorv-an algorithm that incorporates the visibility heuristic to the ACO in continuous domain," in *Proceedings of the 2012 IEEE Congress on Evolutionary Computation*, X. Li, Ed., Brisbane, Australia, 10-15 June 2012, pp. 2952–2959.
- [Couckuyt et al.(2012)Couckuyt, Deschrijver, and Dhaene] I. Couckuyt, D. Deschrijver, and T. Dhaene, "Towards efficient multiobjective optimization: Multiobjective statistical criterions," in *Proceedings of the 2012 IEEE Congress on Evolutionary Computation*, X. Li, Ed., Brisbane, Australia, 10-15 June 2012, pp. 2485–2492.
- [Cussat-Blanc et al.(2012)Cussat-Blanc, Sanchez, and Duthen] S. Cussat-Blanc, S. Sanchez, and Y. Duthen, "Simultaneous cooperative and conflicting behaviors handled by a gene regulatory network," in *Proceedings of the 2012 IEEE Congress on Evolutionary Computation*, X. Li, Ed., Brisbane, Australia, 10-15 June 2012, pp. 1037–1044.
- [Dahlstedt(2012)] P. Dahlstedt, "Turn-based evolution as a proposed implementation of artistic creative process," in *Proceedings of the 2012 IEEE Congress on Evolutionary Computation*, X. Li, Ed., Brisbane, Australia, 10-15 June 2012, pp. 2637–2643.
- [Daniels et al.(2012)Daniels, Corns, and Cudney] B. Daniels, S. Corns, and E. Cudney, "A comparison of representations for the prediction of ground-level ozone concentration," in *Proceedings of the 2012 IEEE Congress on Evolutionary Computation*, X. Li, Ed., Brisbane, Australia, 10-15 June 2012, pp. 2694–2701.
- [Dao et al.(2012)Dao, Quang Uy Nguyen, Xuan Hoai Nguyen, and McKay] N. P. Dao, Quang Uy Nguyen, Xuan Hoai Nguyen, and R. I. B. McKay, "Evolving approximations for the Gaussian Q-function by genetic programming with semantic based crossover," in *Proceedings of the 2012 IEEE Congress on Evolutionary Computation*, X. Li, Ed., Brisbane, Australia, 10-15 June 2012, pp. 2515–2520.
- [Datta and Deb(2012)] R. Datta and K. Deb, "An adaptive normalization based constrained handling methodology with hybrid bi-objective and penalty function approach," in *Proceedings of the 2012 IEEE Congress on Evolutionary Computation*, X. Li, Ed., Brisbane, Australia, 10-15 June 2012, pp. 3137–3144.
- [Datta et al.(2012)Datta, Bittermann, Deb, and Ciftcioglu] R. Datta, M. S. Bittermann, K. Deb, and O. Ciftcioglu, "Probabilistic constraint handling in the framework of joint evolutionary-classical optimization with engineering applications," in *Proceedings of the 2012 IEEE Congress on Evolutionary Computation*, X. Li, Ed., Brisbane, Australia, 10-15 June 2012, pp. 757–764.
- [de Armas et al.(2012)de Armas, Gonzalez, Miranda, and Leon] J. de Armas, Y. Gonzalez, G. Miranda, and C. Leon, "Parallelization of the multi-objective container loading problem," in *Proceedings of the 2012 IEEE Congress on Evolutionary Computation*, X. Li, Ed., Brisbane, Australia, 10-15 June 2012, pp. 37–44.

- [De Weerdt et al.(2012)De Weerdt, vanden Broucke, Vanthienen, and Baesens] J. De Weerdt, S. vanden Broucke, J. Vanthienen, and B. Baesens, "Leveraging process discovery with trace clustering and text mining for intelligent analysis of incident management processes," in *Proceedings of the 2012 IEEE Congress on Evolutionary Computation*, X. Li, Ed., Brisbane, Australia, 10-15 June 2012, pp. 1921–1928.
- [Deb and Jain(2012)] K. Deb and H. Jain, "Handling many-objective problems using an improved NSGA-II procedure," in *Proceedings of the 2012 IEEE Congress on Evolutionary Computation*, X. Li, Ed., Brisbane, Australia, 10-15 June 2012, pp. 342–349.
- [Deep et al.(2012a)Deep, Chauhan, and Pant] K. Deep, P. Chauhan, and M. Pant, "Totally disturbed chaotic particle swarm optimization," in *Proceedings of the 2012 IEEE Congress on Evolutionary Computation*, X. Li, Ed., Brisbane, Australia, 10-15 June 2012, pp. 1577–1584.
- [Deep et al.(2012b)Deep, Chauhan, and Pant] —, "Multi task selection including part mix, tool allocation and process plans in CNC machining centers using new binary PSO," in *Proceedings of the 2012 IEEE Congress on Evolutionary Computation*, X. Li, Ed., Brisbane, Australia, 10-15 June 2012, pp. 1823–1830.
- [Dias and Pacheco(2012)] D. Dias and M. A. Pacheco, "Describing quantum-inspired linear genetic programming from symbolic regression problems," in *Proceedings of the 2012 IEEE Congress on Evolutionary Computation*, X. Li, Ed., Brisbane, Australia, 10-15 June 2012, pp. 907–914.
- [Dick(2012)] G. Dick, "Niche allocation in spatially-structured evolutionary algorithms with gradients," in *Proceedings of the 2012 IEEE Congress on Evolutionary Computation*, X. Li, Ed., Brisbane, Australia, 10-15 June 2012, pp. 2210–2217.
- [Dorronsoro and Bouvry(2012)] B. Dorronsoro and P. Bouvry, "Study of different small-world topology generation mechanisms for genetic algorithms," in *Proceedings of the 2012 IEEE Congress on Evolutionary Computation*, X. Li, Ed., Brisbane, Australia, 10-15 June 2012, pp. 2226–2233.
- [Dower(2012)] S. Dower, "Automatic implementation of evolutionary algorithms on GPUs using ESDL," in *Proceedings of the 2012 IEEE Congress on Evolutionary Computation*, X. Li, Ed., Brisbane, Australia, 10-15 June 2012, pp. 3411–3418.
- [Dridi et al.(2012)Dridi, Krichen, and Guitouni] O. Dridi, S. Krichen, and A. Guitouni, "A multiobjective optimization approach for resource assignment and task scheduling problem: Application to maritime domain awareness," in *Proceedings of the 2012 IEEE Congress on Evolutionary Computation*, X. Li, Ed., Brisbane, Australia, 10-15 June 2012, pp. 469–476.
- [Duhain and Engelbrecht(2012)] J. Duhain and A. Engelbrecht, "Towards a more complete classification system for dynamically changing environments," in *Proceedings of the 2012 IEEE Congress on Evolutionary Computation*, X. Li, Ed., Brisbane, Australia, 10-15 June 2012, pp. 2742–2749.
- [Duma et al.(2012)Duma, Twala, Marwala, and Nelwamondo] M. Duma, B. Twala, T. Marwala, and F. Nelwamondo, "Classification with missing data using multi-layered artificial immune systems," in *Proceedings of the 2012 IEEE Congress on Evolutionary Computation*, X. Li, Ed., Brisbane, Australia, 10-15 June 2012, pp. 1687–1694.
- [El-Abd(2012)] M. El-Abd, "Generalized opposition-based artificial bee colony algorithm," in *Proceedings of the 2012 IEEE Congress on Evolutionary Computation*, X. Li, Ed., Brisbane, Australia, 10-15 June 2012, pp. 3052–3055.
- [El-Abd and Kamel(2012)] M. El-Abd and M. Kamel, "Particle swarm optimization with adaptive bounds," in *Proceedings of the 2012 IEEE Congress on Evolutionary Computation*, X. Li, Ed., Brisbane, Australia, 10-15 June 2012, pp. 169–174.
- [El-Bouri (2012)] A. El-Bouri, "An investigation of initial solutions on the performance of an iterated local search algorithm for the permutation flowshop," in *Proceedings of the 2012 IEEE Congress on Evolutionary Computation*, X. Li, Ed., Brisbane, Australia, 10-15 June 2012, pp. 2258–2262.

- [Elsayed et al.(2012b)Elsayed, Sarker, and Essam] S. Elsayed, R. Sarker, and D. Essam, "Memetic multi-topology particle swarm optimizer for constrained optimization," in *Proceedings of the 2012 IEEE Congress on Evolutionary Computation*, X. Li, Ed., Brisbane, Australia, 10-15 June 2012, pp. 1379–1386.
- [Elsayed et al.(2012a)Elsayed, Sarker, and Ray] S. Elsayed, R. Sarker, and T. Ray, "Parameters adaptation in differential evolution," in *Proceedings of the 2012 IEEE Congress on Evolutionary Computation*, X. Li, Ed., Brisbane, Australia, 10-15 June 2012, pp. 1138–1145.
- [Engelbrecht(2012)] A. Engelbrecht, "Particle swarm optimization: Velocity initialization," in *Proceedings of the 2012 IEEE Congress on Evolutionary Computation*, X. Li, Ed., Brisbane, Australia, 10-15 June 2012, pp. 1410–1417.
- [Epitropakis et al.(2012b)Epitropakis, Plagianakos, and Vrahatis] M. Epitropakis, V. Plagianakos, and M. Vrahatis, "Multimodal optimization using niching differential evolution with index-based neighborhoods," in *Proceedings of the 2012 IEEE Congress on Evolutionary Computation*, X. Li, Ed., Brisbane, Australia, 10-15 June 2012, pp. 2065–2072.
- [Epitropakis et al.(2012a)Epitropakis, Tasoulis, Pavlidis, Plagianakos, and Vrahatis] M. Epitropakis, D. Tasoulis, N. Pavlidis, V. Plagianakos, and M. Vrahatis, "Tracking particle swarm optimizers: An adaptive approach through multinomial distribution tracking with exponential forgetting," in *Proceedings of the 2012 IEEE Congress on Evolutionary Computation*, X. Li, Ed., Brisbane, Australia, 10-15 June 2012, pp. 1712–1719.
- [Ernst and Singh(2012)] A. Ernst and G. Singh, "Lagrangian particle swarm optimization for a resource constrained machine scheduling problem," in *Proceedings of the 2012 IEEE Congress on Evolutionary Computation*, X. Li, Ed., Brisbane, Australia, 10-15 June 2012, pp. 1585–1592.
- [Esteves et al.(2012)Esteves, Sousa, Silva, Povoa, and Gomes] V. M. Esteves, J. M. Sousa, C. A. Silva, A. P. B. Povoa, and M. I. Gomes, "Scant-design: Closed loop supply chain design using ant colony optimization," in *Proceedings of the 2012 IEEE Congress on Evolutionary Computation*, X. Li, Ed., Brisbane, Australia, 10-15 June 2012, pp. 3056–3063.
- [Faccioli et al.(2012)Faccioli, Nunes da Silva, Bortot, and Delbem] R. Faccioli, I. Nunes da Silva, L. Bortot, and A. Delbem, "A mono-objective evolutionary algorithm with GROMACS for protein structure prediction in structural and energetic contexts," in *Proceedings of the 2012 IEEE Congress on Evolutionary Computation*, X. Li, Ed., Brisbane, Australia, 10-15 June 2012, pp. 900–906.
- [Fajfar(2012)] I. Fajfar, "Selection strategies and random perturbations in differential evolution," in *Proceedings of the 2012 IEEE Congress on Evolutionary Computation*, X. Li, Ed., Brisbane, Australia, 10-15 June 2012, pp. 1836–1842.
- [Falcon and Abielmona(2012)] R. Falcon and R. Abielmona, "A response-aware risk management framework for search-and-rescue operations," in *Proceedings of the 2012 IEEE Congress on Evolutionary Computation*, X. Li, Ed., Brisbane, Australia, 10-15 June 2012, pp. 1333–1340.
- [Fang et al.(2012b)Fang, Sun, Wu, Xu, and Vasile] W. Fang, J. Sun, X. Wu, W. Xu, and P. Vasile, "Study on the compression-expansion coefficient in drift particle swarm optimization," in *Proceedings of the 2012 IEEE Congress on Evolutionary Computation*, X. Li, Ed., Brisbane, Australia, 10-15 June 2012, pp. 857–862.
- [Fang et al.(2012a)Fang, Koceja, Zhan, Dozier, and Dipankar] X. Fang, N. Koceja, J. Zhan, G. Dozier, and D. Dipankar, "An artificial immune system for phishing detection," in *Proceedings of the 2012 IEEE Congress on Evolutionary Computation*, X. Li, Ed., Brisbane, Australia, 10-15 June 2012, pp. 392–398.
- [Feng et al.(2012)Feng, Ong, Tsang, and Tan] L. Feng, Y. S. Ong, I. Tsang, and A. H. Tan, "An evolutionary search paradigm that learns with past experiences," in *Proceedings of the 2012 IEEE Congress on Evolutionary Computation*, X. Li, Ed., Brisbane, Australia, 10-15 June 2012, pp. 2813–2820.

- [Feng and Song(2012)] X. Feng and A. Song, "Evolving frame splitters by genetic programming," in *Proceedings of the 2012 IEEE Congress on Evolutionary Computation*, X. Li, Ed., Brisbane, Australia, 10-15 June 2012, pp. 1466–1472.
- [Ficici et al.(2012)Ficici, Liu, and Fogel] S. G. Ficici, E. Liu, and G. B. Fogel, "Evolutionary algorithms for supertree search," in *Proceedings of the 2012 IEEE Congress on Evolutionary Computation*, X. Li, Ed., Brisbane, Australia, 10-15 June 2012, pp. 1293–1300.
- [Filipic and Lorencin(2012)] B. Filipic and I. Lorencin, "Evolutionary multiobjective design of an alternative energy supply system," in *Proceedings of the 2012 IEEE Congress on Evolutionary Computation*, X. Li, Ed., Brisbane, Australia, 10-15 June 2012, pp. 257–262.
- [Fister et al.(2012)Fister, Fister, Jr., Brest, and Zumer] I. Fister, I. Fister, Jr., J. Brest, and V. Zumer, "Memetic artificial bee colony algorithm for large-scale global optimization," in *Proceedings of the 2012 IEEE Congress on Evolutionary Computation*, X. Li, Ed., Brisbane, Australia, 10-15 June 2012, pp. 3015–3022.
- [Fonseca et al.(2012)Fonseca, Barbosa, and Lemonge] L. Fonseca, H. Barbosa, and A. Lemonge, "A study on fitness inheritance for enhanced efficiency in real-coded genetic algorithms," in *Proceedings of the 2012 IEEE Congress on Evolutionary Computation*, X. Li, Ed., Brisbane, Australia, 10-15 June 2012, pp. 71–78.
- [Forghany et al.(2012)Forghany, Davarynejad, and Snaar-Jagalska] Z. Forghany, M. Davarynejad, and E. Snaar-Jagalska, "Gene regulatory network model identification using artificial bee colony and swarm intelligence," in *Proceedings of the 2012 IEEE Congress on Evolutionary Computation*, X. Li, Ed., Brisbane, Australia, 10-15 June 2012, pp. 1272–1277.
- [Fu et al.(2012b)Fu, Sendhoff, Tang, and Yao] H. Fu, B. Sendhoff, K. Tang, and X. Yao, "Characterizing environmental changes in robust optimization over time," in *Proceedings of the 2012 IEEE Congress on Evolutionary Computation*, X. Li, Ed., Brisbane, Australia, 10-15 June 2012, pp. 1593–1600.
- [Fu et al.(2012a)Fu, Johnston, and Zhang] W. Fu, M. Johnston, and M. Zhang, "Soft edge maps from edge detectors evolved by genetic programming," in *Proceedings of the 2012 IEEE Congress on Evolutionary Computation*, X. Li, Ed., Brisbane, Australia, 10-15 June 2012, pp. 1356–1363.
- [Fu et al.(2012c)Fu, Johnston, and Zhang] —, "Genetic programming for edge detection via balancing individual training images," in *Proceedings of the 2012 IEEE Congress on Evolutionary Computation*, X. Li, Ed., Brisbane, Australia, 10-15 June 2012, pp. 2702–2709.
- [Gagne and Zinflou(2012)] C. Gagne and A. Zinflou, "An hybrid algorithm for the industrial car sequecing problem," in *Proceedings of the 2012 IEEE Congress on Evolutionary Computation*, X. Li, Ed., Brisbane, Australia, 10-15 June 2012, pp. 279–286.
- [Gagne and Congdon(2012)] D. J. Gagne and C. B. Congdon, "Preliminary results for GAMMI: Genetic algorithms for motif-module inference," in *Proceedings of the 2012 IEEE Congress on Evolutionary Computation*, X. Li, Ed., Brisbane, Australia, 10-15 June 2012, pp. 1309–1316.
- [Gao et al.(2012)Gao, Suganthan, and Bao] K. Gao, P. N. Suganthan, and Z. Bao, "A composite heuristic for the no-wait flow shop scheduling," in *Proceedings of the 2012 IEEE Congress on Evolutionary Computation*, X. Li, Ed., Brisbane, Australia, 10-15 June 2012, pp. 1125–1129.
- [Ghosh et al.(2012a)Ghosh, Chowdhury, Sinha, Vasilakos, and Das] A. Ghosh, A. Chowdhury, S. Sinha, A. V. Vasilakos, and S. Das, "A genetic lbest PSO with dynamically varying subswarm topology," in *Proceedings of the 2012 IEEE Congress on Evolutionary Computation*, X. Li, Ed., Brisbane, Australia, 10-15 June 2012, pp. 669–675.
- [Ghosh et al.(2012b)Ghosh, Ghosh, Chowdhury, Konar, Kim, and Nagar] A. Ghosh, A. Ghosh, A. Chowdhury, A. Konar, E. Kim, and A. K. Nagar, "Linear phase low pass FIR filter design using genetic particle swarm optimization with dynamically varying neighborhood technique," in *Proceedings of the 2012 IEEE Congress on Evolutionary Computation*, X. Li, Ed., Brisbane, Australia, 10-15 June 2012, pp. 1570–1576.

- [Goh et al.(2012)Goh, Tang, Peto, and Saleh] J. Goh, L. Tang, T. Peto, and G. Saleh, "An evolutionary approach for determining hidden markov model for medical image analysis," in *Proceedings of the 2012 IEEE Congress on Evolutionary Computation*, X. Li, Ed., Brisbane, Australia, 10-15 June 2012, pp. 3511–3518.
- [Gong et al.(2012a)Gong, Yang, Sun, and Li] D. Gong, L. Yang, X. Sun, and M. Li, "Applying knowledge of users with similar preference to construct surrogate models of IGAs," in *Proceedings* of the 2012 IEEE Congress on Evolutionary Computation, X. Li, Ed., Brisbane, Australia, 10-15 June 2012, pp. 3168–3175.
- [Gong et al.(2012b)Gong, Cai, Li, and Ma] M. Gong, Q. Cai, Y. Li, and J. Ma, "An improved memetic algorithm for community detection in complex networks," in *Proceedings of the 2012 IEEE Congress on Evolutionary Computation*, X. Li, Ed., Brisbane, Australia, 10-15 June 2012, pp. 3347–3354.
- [Gong and Shuai(2012)] T. Gong and L. Shuai, "A cross-model study on the effect of power-laws on language evolution," in *Proceedings of the 2012 IEEE Congress on Evolutionary Computation*, X. Li, Ed., Brisbane, Australia, 10-15 June 2012, pp. 3286–3293.
- [Greenwood and Ashlock(2012)] G. Greenwood and D. Ashlock, "Evolutionary games and the study of cooperation: Why has so little progress been made?" in *Proceedings of the 2012 IEEE Congress on Evolutionary Computation*, X. Li, Ed., Brisbane, Australia, 10-15 June 2012, pp. 1207–1214.
- [Grobler et al.(2012)Grobler, Engelbrecht, Kendall, and Yadavalli] J. Grobler, A. P. Engelbrecht, G. Kendall, and S. Yadavalli, "Investigating the use of local search for improving meta-hyperheuristic performance," in *Proceedings of the 2012 IEEE Congress on Evolutionary Computation*, X. Li, Ed., Brisbane, Australia, 10-15 June 2012, pp. 3324–3331.
- [Gruenewald et al.(2012)Gruenewald, Hardt, Mielke, and Brueck] A. Gruenewald, S. Hardt, M. Mielke, and R. Brueck, "A decentralized charge management for electric vehicles using a genetic algorithm," in *Proceedings of the 2012 IEEE Congress on Evolutionary Computation*, X. Li, Ed., Brisbane, Australia, 10-15 June 2012, pp. 3519–3525.
- [guan Wang et al.(2012)guan Wang, biao Ling, Zhang, and ping Wang] W. guan Wang, Y. biao Ling, J. Zhang, and Y. ping Wang, "Ant colony optimization algorithm for analog filter design," in *Proceedings of the 2012 IEEE Congress on Evolutionary Computation*, X. Li, Ed., Brisbane, Australia, 10-15 June 2012, pp. 3072–3077.
- [Guderian et al.(2012a)Guderian, Schaffer, and Fettweis] F. Guderian, R. Schaffer, and G. Fettweis, "Dimensioning the heterogeneous multicluster architecture via parallelism analysis and evolutionary computing," in *Proceedings of the 2012 IEEE Congress on Evolutionary Computation*, X. Li, Ed., Brisbane, Australia, 10-15 June 2012, pp. 1426–1433.
- [Guderian et al.(2012b)Guderian, Schaffer, and Fettweis] ——, "Administration- and communication-aware IP core mapping in scalable multiprocessor system-on-chips via evolutionary computing," in *Proceedings of the 2012 IEEE Congress on Evolutionary Computation*, X. Li, Ed., Brisbane, Australia, 10-15 June 2012, pp. 1434–1441.
- [Gunnersen et al.(2012)Gunnersen, Smith-Miles, and Lee] S. Gunnersen, K. Smith-Miles, and V. Lee, "Towards objective data selection in bankruptcy prediction," in *Proceedings of the 2012 IEEE Congress on Evolutionary Computation*, X. Li, Ed., Brisbane, Australia, 10-15 June 2012, pp. 9–16.
- [Guo et al.(2012)Guo, neng Chen, and Zhang] Y. Guo, W. neng Chen, and J. Zhang, "Enhancing the performance of evolutionary algorithms—a novel maturity-based adaptation strategy," in *Proceedings of the 2012 IEEE Congress on Evolutionary Computation*, X. Li, Ed., Brisbane, Australia, 10-15 June 2012, pp. 570–577.
- [Hadka et al.(2012)Hadka, Reed, and Simpson] D. Hadka, P. Reed, and T. Simpson, "Diagnostic assessment of the Borg MOEA for many-objective product family design problems," in *Proceedings of the 2012 IEEE Congress on Evolutionary Computation*, X. Li, Ed., Brisbane, Australia, 10-15 June 2012, pp. 1975–1984.

- [Hamza et al.(2012)Hamza, Sarker, and Essam] N. Hamza, R. Sarker, and D. Essam, "Differential evolution with a mix of constraint consenus methods for solving a real-world optimization problem," in *Proceedings of the 2012 IEEE Congress on Evolutionary Computation*, X. Li, Ed., Brisbane, Australia, 10-15 June 2012, pp. 1118–1124.
- [Hanada et al.(2012)Hanada, Hosokawa, Ono, and Muneyasu] Y. Hanada, N. Hosokawa, K. Ono, and M. Muneyasu, "Effectiveness of multi-step crossover fusions in genetic programming," in *Proceedings of the 2012 IEEE Congress on Evolutionary Computation*, X. Li, Ed., Brisbane, Australia, 10-15 June 2012, pp. 2389–2396.
- [Hancer et al.(2012)Hancer, Ozturk, and Karaboga] E. Hancer, C. Ozturk, and D. Karaboga, "Artificial bee colony based image clustering," in *Proceedings of the 2012 IEEE Congress on Evolutionary Computation*, X. Li, Ed., Brisbane, Australia, 10-15 June 2012, pp. 2926–2930.
- [Handa(2012)] H. Handa, "Use of graph kernels in estimation of distribution algorithms," in *Proceedings* of the 2012 IEEE Congress on Evolutionary Computation, X. Li, Ed., Brisbane, Australia, 10-15 June 2012, pp. 3563–3568.
- [Hanif and Smith(2012)] A. Hanif and R. Smith, "Generation path-switching in sequential Monte-Carlo methods," in *Proceedings of the 2012 IEEE Congress on Evolutionary Computation*, X. Li, Ed., Brisbane, Australia, 10-15 June 2012, pp. 1045–1051.
- [Hardhienata et al.(2012)Hardhienata, Merrick, and Ugrinovskii] M. Hardhienata, K. Merrick, and V. Ugrinovskii, "Task allocation in multi-agent systems using models of motivation and leadership," in *Proceedings of the 2012 IEEE Congress on Evolutionary Computation*, X. Li, Ed., Brisbane, Australia, 10-15 June 2012, pp. 1418–1425.
- [Haynes et al.(2012)Haynes, Corns, and Venayagamoorthy] D. Haynes, S. Corns, and G. Venayagamoorthy, "An exponential moving average algorithm: Evolutionary algorithms applied to sudoku puzzles," in *Proceedings of the 2012 IEEE Congress on Evolutionary Computation*, X. Li, Ed., Brisbane, Australia, 10-15 June 2012, pp. 3214–3221.
- [He and Yen(2012)] Z. He and G. Yen, "A new fitness evaluation method based on fuzzy logic in multiobjective evolutionary algorithms," in *Proceedings of the 2012 IEEE Congress on Evolutionary Computation*, X. Li, Ed., Brisbane, Australia, 10-15 June 2012, pp. 439–446.
- [Helbig and Engelbrecht(2012)] M. Helbig and A. Engelbrecht, "Analyses of guide update approaches for vector evaluated particle swarm optimisation on dynamic multi-objective optimisation problems," in *Proceedings of the 2012 IEEE Congress on Evolutionary Computation*, X. Li, Ed., Brisbane, Australia, 10-15 June 2012, pp. 2726–2733.
- [Hendtlass(2012)] T. Hendtlass, "Restarting particle swarm optimisation," in *Proceedings of the 2012 IEEE Congress on Evolutionary Computation*, X. Li, Ed., Brisbane, Australia, 10-15 June 2012, pp. 1720–1728.
- [Herbawi and Weber(2012a)] W. Herbawi and M. Weber, "A genetic local search algorithm for multiobjective time-dependent route planning," in *Proceedings of the 2012 IEEE Congress on Evolutionary Computation*, X. Li, Ed., Brisbane, Australia, 10-15 June 2012, pp. 137–143.
- [Herbawi and Weber(2012b)] —, "The ridematching problem with time windows in dynamic ridesharing: A model and a genetic algorithm," in *Proceedings of the 2012 IEEE Congress on Evolutionary Computation*, X. Li, Ed., Brisbane, Australia, 10-15 June 2012, pp. 3547–3554.
- [Higgs et al.(2012)Higgs, Stantic, Hoque, and Sattar] T. Higgs, B. Stantic, T. Hoque, and A. Sattar, "Refining genetic algorithm twin removal for high-resolution protein structure prediction," in *Proceedings of the 2012 IEEE Congress on Evolutionary Computation*, X. Li, Ed., Brisbane, Australia, 10-15 June 2012, pp. 182–189.
- [Hingston et al.(2012)Hingston, Masek, and Beard] P. Hingston, M. Masek, and D. Beard, "Using Monte Carlo tree search for replanning in a multistage simultaneous game," in *Proceedings of the 2012 IEEE Congress on Evolutionary Computation*, X. Li, Ed., Brisbane, Australia, 10-15 June 2012, pp. 1231–1238.

- [Hong et al.(2012)Hong, Lin, and Chen] T.-P. Hong, F.-S. Lin, and C.-H. Chen, "Using the group genetic algorithm for attribute clustering," in *Proceedings of the 2012 IEEE Congress on Evolutionary Computation*, X. Li, Ed., Brisbane, Australia, 10-15 June 2012, pp. 923–927.
- [Hsiao et al.(2012a)Hsiao, Chiang, and Fu] P.-C. Hsiao, T.-C. Chiang, and L.-C. Fu, "Particle swarm optimization for the minimum energy broadcast problem in wireless ad-hoc networks," in *Proceedings of the 2012 IEEE Congress on Evolutionary Computation*, X. Li, Ed., Brisbane, Australia, 10-15 June 2012, pp. 3100–3107.
- [Hsiao et al.(2012b)Hsiao, Chiang, and Fu] ——, "A VNS-based hyper-heuristic with adaptive computational budget of local search," in *Proceedings of the 2012 IEEE Congress on Evolutionary Computation*, X. Li, Ed., Brisbane, Australia, 10-15 June 2012, pp. 3316–3323.
- [Hsu and Chiang(2012)] W.-H. Hsu and T.-C. Chiang, "A multiobjective evolutionary algorithm with enhanced reproduction operators for the vehicle routing problem with time windows," in *Proceedings of the 2012 IEEE Congress on Evolutionary Computation*, X. Li, Ed., Brisbane, Australia, 10-15 June 2012, pp. 2750–2757.
- [Huang et al.(2012b)Huang, Xu, Deng, Venkataramanan, and Tuong] D. Huang, J.-X. Xu, X. Deng, V. Venkataramanan, and H. T. C. Tuong, "GA based high-order peak filter design with application to compensation of contact-induced vibration in HDD servo systems," in *Proceedings of the 2012 IEEE Congress on Evolutionary Computation*, X. Li, Ed., Brisbane, Australia, 10-15 June 2012, pp. 3435–3442.
- [Huang et al.(2012a)Huang, Ong, and Chen] H. E. Huang, Y.-S. Ong, and X. Chen, "Autonomous flock brush for non-photorealistic rendering," in *Proceedings of the 2012 IEEE Congress on Evolutionary Computation*, X. Li, Ed., Brisbane, Australia, 10-15 June 2012, pp. 2597–2604.
- [Hui and Suganthan(2012)] S. Hui and P. N. Suganthan, "Ensemble differential evolution with dynamic subpopulations and adaptive clearing for solving dynamic optimization problems," in *Proceedings* of the 2012 IEEE Congress on Evolutionary Computation, X. Li, Ed., Brisbane, Australia, 10-15 June 2012, pp. 2629–2636.
- [hui Zhan et al.(2012)hui Zhan, Zhang, hui Shi, and Hai-lin] Z. hui Zhan, J. Zhang, Y. hui Shi, and L. Hai-lin, "A modified brain storm optimization," in *Proceedings of the 2012 IEEE Congress on Evolutionary Computation*, X. Li, Ed., Brisbane, Australia, 10-15 June 2012, pp. 2544–2551.
- [Hunt et al.(2012)Hunt, Neshatian, and Zhang] R. Hunt, K. Neshatian, and M. Zhang, "Scalability analysis of genetic programming classifiers," in *Proceedings of the 2012 IEEE Congress on Evolutionary Computation*, X. Li, Ed., Brisbane, Australia, 10-15 June 2012, pp. 509–516.
- [Huo et al.(2012b)Huo, Lien, Yu, and Sun] C.-L. Huo, Y.-S. Lien, Y.-H. Yu, and T.-Y. Sun, "Effectively multi-swarm sharing management for differential evolution," in *Proceedings of the 2012 IEEE Congress on Evolutionary Computation*, X. Li, Ed., Brisbane, Australia, 10-15 June 2012, pp. 2798–2805.
- [Huo et al.(2012a)Huo, Lin, Lai, Lien, and Sun] C.-L. Huo, S.-Y. Lin, T.-Y. Lai, Y.-S. Lien, and T.-Y. Sun, "Multi-objective differential evolution with taguchi-based adjustable proportional distribution," in *Proceedings of the 2012 IEEE Congress on Evolutionary Computation*, X. Li, Ed., Brisbane, Australia, 10-15 June 2012, pp. 2194–2201.
- [Hussein and Petering(2012)] M. Hussein and M. Petering, "Genetic algorithm-based simulation optimization of stacking algorithms for yard cranes to reduce fuel consumption at seaport container transshipment terminals," in *Proceedings of the 2012 IEEE Congress on Evolutionary Computation*, X. Li, Ed., Brisbane, Australia, 10-15 June 2012, pp. 1993–2000.
- [Iclanzan and Chira(2012)] D. Iclanzan and C. Chira, "Modeling and replicating higher-order dependencies in genetic algorithms," in *Proceedings of the 2012 IEEE Congress on Evolutionary Computation*, X. Li, Ed., Brisbane, Australia, 10-15 June 2012, pp. 863–870.

- [Ishibuchi et al.(2012a)Ishibuchi, Hoshino, and Nojima] H. Ishibuchi, K. Hoshino, and Y. Nojima, "Strategy evolution in a spatial IPD game where each agent is not allowed to play against itself," in Proceedings of the 2012 IEEE Congress on Evolutionary Computation, X. Li, Ed., Brisbane, Australia, 10-15 June 2012, pp. 1191–1198.
- [Ishibuchi et al.(2012b)Ishibuchi, Hoshino, and Nojima] ——, "Evolution of strategies in a spatial IPD game with a number of different representation schemes," in *Proceedings of the 2012 IEEE Congress on Evolutionary Computation*, X. Li, Ed., Brisbane, Australia, 10-15 June 2012, pp. 1215–1222.
- [Izadinia and Ebadzadeh(2012)] H. Izadinia and M. M. Ebadzadeh, "Adaptive quantum-inspired evolution strategy," in *Proceedings of the 2012 IEEE Congress on Evolutionary Computation*, X. Li, Ed., Brisbane, Australia, 10-15 June 2012, pp. 1760–1767.
- [Jaros(2012)] J. Jaros, "Multi-GPU island-based genetic algorithm for solving the knapsack problem," in *Proceedings of the 2012 IEEE Congress on Evolutionary Computation*, X. Li, Ed., Brisbane, Australia, 10-15 June 2012, pp. 236–243.
- [Jati et al.(2012)Jati, Singh, Rakshit, Konar, Kim, and Nagar] A. Jati, G. Singh, P. Rakshit, A. Konar, E. Kim, and A. K. Nagar, "A hybridisation of improved harmony search and bacterial foraging for multi-robot motion planning," in *Proceedings of the 2012 IEEE Congress on Evolutionary Computation*, X. Li, Ed., Brisbane, Australia, 10-15 June 2012, pp. 431–438.
- [Jevne et al.(2012) Jevne, Haddow, and Gaivoronski] H. Jevne, P. Haddow, and A. Gaivoronski, "Evolving constrained mean-VaR efficient frontiers," in *Proceedings of the 2012 IEEE Congress on Evolutionary Computation*, X. Li, Ed., Brisbane, Australia, 10-15 June 2012, pp. 1079–1086.
- [Ji et al.(2012)Ji, Tian, Zhu, and He] Z. Ji, T. Tian, Z. Zhu, and S. He, "A memory binary particle swarm optimization," in *Proceedings of the 2012 IEEE Congress on Evolutionary Computation*, X. Li, Ed., Brisbane, Australia, 10-15 June 2012, pp. 1831–1835.
- [Jianchao and Min(2012)] F. Jianchao and H. Min, "Nonliear model predictive control of ball-plate system based on gaussian particle swarm optimization," in *Proceedings of the 2012 IEEE Congress on Evolutionary Computation*, X. Li, Ed., Brisbane, Australia, 10-15 June 2012, pp. 3116–3121.
- [Jiang et al.(2012)Jiang, Tsai, Hao, and Cao] Y. Jiang, P. Tsai, Z. Hao, and L. Cao, "A novel autoparameters selection process for image segmentation," in *Proceedings of the 2012 IEEE Congress on Evolutionary Computation*, X. Li, Ed., Brisbane, Australia, 10-15 June 2012, pp. 2666–2672.
- [jiao Gong and Zhang(2012)] Y. jiao Gong and J. Zhang, "Real-time traffic signal control for roundabouts by using a novel PSO-based fuzzy controller," in *Proceedings of the 2012 IEEE Congress on Evolutionary Computation*, X. Li, Ed., Brisbane, Australia, 10-15 June 2012, pp. 771–778.
- [Jin and Liang(2012)] Q. Jin and Z. Liang, "A naive particle swarm optimization," in *Proceedings of the 2012 IEEE Congress on Evolutionary Computation*, X. Li, Ed., Brisbane, Australia, 10-15 June 2012, pp. 29–36.
- [Johnson(2012)] C. Johnson, "Search-based evolutionary operators for extensionally-defined search spaces: Applications to image search," in *Proceedings of the 2012 IEEE Congress on Evolutionary Computation*, X. Li, Ed., Brisbane, Australia, 10-15 June 2012, pp. 2279–2285.
- [Jones et al.(2012)Jones, Lovell, Gunn, Morgan, and Zauner] G. Jones, C. Lovell, S. Gunn, H. Morgan, and K.-P. Zauner, "Enabling the discovery of computational characteristics of enzyme dynamics," in *Proceedings of the 2012 IEEE Congress on Evolutionary Computation*, X. Li, Ed., Brisbane, Australia, 10-15 June 2012, pp. 2452–2459.
- [Jordan and Kroeger(2012)] C. D. Jordan and T. Kroeger, "An evolutionary algorithm for bilevel optimisation of men's team pursuit track cycling," in *Proceedings of the 2012 IEEE Congress on Evolutionary Computation*, X. Li, Ed., Brisbane, Australia, 10-15 June 2012, pp. 2325–2332.

- [Juan et al.(2012)Juan, Han-wu, Zhihao, Yue, and Wanning] X. Juan, C. Han-wu, L. Zhihao, R. Yue, and Z. Wanning, "Quantum secret sharing without exclusive OR of qubits' measuring results," in *Proceedings of the 2012 IEEE Congress on Evolutionary Computation*, X. Li, Ed., Brisbane, Australia, 10-15 June 2012, pp. 1675–1678.
- [Junior et al.(2012) Junior, Britto, and Pozo] O. C. Junior, A. Britto, and A. Pozo, "A comparison of methods for leader selection in many-objective problems," in *Proceedings of the 2012 IEEE Congress on Evolutionary Computation*, X. Li, Ed., Brisbane, Australia, 10-15 June 2012, pp. 1654–1661.
- [Kafafy et al.(2012)Kafafy, Bounekkar, and Bonnevay] A. Kafafy, A. Bounekkar, and S. Bonnevay, "Hybrid metaheuristics based on MOEA/D for 0/1 multiobjective knapsack problems: A comparative study," in *Proceedings of the 2012 IEEE Congress on Evolutionary Computation*, X. Li, Ed., Brisbane, Australia, 10-15 June 2012, pp. 3300–3307.
- [Kampouridis et al.(2012)Kampouridis, Glover, Shaghaghi, and Tsang] M. Kampouridis, T. Glover, A. R. Shaghaghi, and E. Tsang, "Using a genetic algorithm as a decision support tool for the deployment of fiber optic networks," in *Proceedings of the 2012 IEEE Congress on Evolutionary Computation*, X. Li, Ed., Brisbane, Australia, 10-15 June 2012, pp. 3585–3592.
- [Karabulut and Tasgetiren(2012)] K. Karabulut and M. F. Tasgetiren, "A discrete artificial bee colony algorithm for the traveling salesman problem with time windows," in *Proceedings of the 2012 IEEE Congress on Evolutionary Computation*, X. Li, Ed., Brisbane, Australia, 10-15 June 2012, pp. 3038–3044.
- [Kattan and Galvan(2012)] A. Kattan and E. Galvan, "Evolving radial basis function networks via GP for estimating fitness values using surrogate models," in *Proceedings of the 2012 IEEE Congress on Evolutionary Computation*, X. Li, Ed., Brisbane, Australia, 10-15 June 2012, pp. 3161–3167.
- [Kelly et al.(2012)Kelly, Lichodzijewski, and Heywood] S. Kelly, P. Lichodzijewski, and M. I. Heywood, "On run time libraries and hierarchical symbiosis," in *Proceedings of the 2012 IEEE Congress on Evolutionary Computation*, X. Li, Ed., Brisbane, Australia, 10-15 June 2012, pp. 3278–3285.
- [Khadem et al.(2012)Khadem, Chan, and Dillon] S. Khadem, K. Y. Chan, and T. Dillon, "Optimization of neural network configurations for short-term traffic flow forecasting using orthogonal design," in *Proceedings of the 2012 IEEE Congress on Evolutionary Computation*, X. Li, Ed., Brisbane, Australia, 10-15 June 2012, pp. 1184–1190.
- [Kim et al.(2012)Kim, McKay, and Nguyen Xuan Hoai] K. Kim, B. R. McKay, and Nguyen Xuan Hoai, "Implicit bias in grammar-based estimation of distribution genetic programming: The effects of recursive structure," in *Proceedings of the 2012 IEEE Congress on Evolutionary Computation*, X. Li, Ed., Brisbane, Australia, 10-15 June 2012, pp. 2373–2380.
- [Knittel(2012)] A. Knittel, "Learning feature hierarchies under reinforcement," in *Proceedings of the* 2012 IEEE Congress on Evolutionary Computation, X. Li, Ed., Brisbane, Australia, 10-15 June 2012, pp. 2420–2427.
- [Ko et al.(2012)Ko, Reddy, Kumar, Garg, Bailey, and Hadaegh] G. M. Ko, A. S. Reddy, S. Kumar, R. Garg, B. A. Bailey, and A. R. Hadaegh, "Differential evolution-binary particle swarm optimization algorithm for the analysis of aryl beta-diketo acids for HIV-1 integrase inhibition," in Proceedings of the 2012 IEEE Congress on Evolutionary Computation, X. Li, Ed., Brisbane, Australia, 10-15 June 2012, pp. 1278–1284.
- [Koloseni et al.(2012)Koloseni, Lampinen, and Luukka] D. Koloseni, J. Lampinen, and P. Luukka, "Differential evolution classifier with optimized distance measures from a pool of distances," in *Proceedings of the 2012 IEEE Congress on Evolutionary Computation*, X. Li, Ed., Brisbane, Australia, 10-15 June 2012, pp. 2806–2812.
- [Korosec and Silc(2012)] P. Korosec and J. Silc, "The continuous differential ant-stigmergy algorithm applied to dynamic optimization problems," in *Proceedings of the 2012 IEEE Congress on Evolutionary Computation*, X. Li, Ed., Brisbane, Australia, 10-15 June 2012, pp. 447–454.

- [Kou et al.(2012)Kou, Xiong, Fang, Zong, and Bian] J. Kou, S. Xiong, Z. Fang, X. Zong, and F. Bian, "Positive point charge potential field based ACO algorithm for multi-objective evacuation routing optimization problem," in *Proceedings of the 2012 IEEE Congress on Evolutionary Computation*, X. Li, Ed., Brisbane, Australia, 10-15 June 2012, pp. 3064–3071.
- [Kovarik and Kordik(2012)] O. Kovarik and P. Kordik, "Max-min ant system with linear memory complexity," in *Proceedings of the 2012 IEEE Congress on Evolutionary Computation*, X. Li, Ed., Brisbane, Australia, 10-15 June 2012, pp. 322–326.
- [Kroetz et al.(2012)Kroetz, Centeno, Delgado, Dorini, Fylyk, Vieira, Lucas, and Felisberto]
  M. Kroetz, T. Centeno, M. Delgado, L. Dorini, V. Fylyk, A. Vieira, L. Lucas, and M. Felisberto,
  "Genetic algorithms to automatic weld bead detection in double wall double image digital radiographs," in *Proceedings of the 2012 IEEE Congress on Evolutionary Computation*, X. Li, Ed., Brisbane, Australia, 10-15 June 2012, pp. 578–584.
- [Kromer et al.(2012)Kromer, Snasel, Platos, Kudelka, and Horak] P. Kromer, V. Snasel, J. Platos, M. Kudelka, and Z. Horak, "An ACO inspired weighting approach for the spectral partitioning of co-authorship networks," in *Proceedings of the 2012 IEEE Congress on Evolutionary Computation*, X. Li, Ed., Brisbane, Australia, 10-15 June 2012, pp. 3659–3665.
- [Kudo and Yoshikawa(2012)] F. Kudo and T. Yoshikawa, "Knowledge extraction in multi-objective optimization problem based on visualization of pareto solutions," in *Proceedings of the 2012 IEEE Congress on Evolutionary Computation*, X. Li, Ed., Brisbane, Australia, 10-15 June 2012, pp. 1871–1876.
- [Kumar and Pant(2012)] P. Kumar and M. Pant, "Enhanced mutation strategy for differential evolution," in *Proceedings of the 2012 IEEE Congress on Evolutionary Computation*, X. Li, Ed., Brisbane, Australia, 10-15 June 2012, pp. 2884–2889.
- [Lacroix et al.(2012)Lacroix, Molina, and Herrera] B. Lacroix, D. Molina, and F. Herrera, "Region based memetic algorithm with LS chaining," in *Proceedings of the 2012 IEEE Congress on Evolutionary Computation*, X. Li, Ed., Brisbane, Australia, 10-15 June 2012, pp. 386–391.
- [Lakshika et al.(2012)Lakshika, Barlow, and Easton] E. Lakshika, M. Barlow, and A. Easton, "Fidelity and complexity of standing group conversation simulations: A framework for the evolution of multi agent systems through bootstrapping human aesthetic judgments," in *Proceedings of the 2012 IEEE Congress on Evolutionary Computation*, X. Li, Ed., Brisbane, Australia, 10-15 June 2012, pp. 2033–2040.
- [Lam et al.(2012)Lam, Li, and Wei] A. Y. Lam, V. O. Li, and Z. Wei, "Chemical reaction optimization for the fuzzy rule learning problem," in *Proceedings of the 2012 IEEE Congress on Evolutionary Computation*, X. Li, Ed., Brisbane, Australia, 10-15 June 2012, pp. 3084–3091.
- [LaTorre et al.(2012)LaTorre, Muelas, and Pena] A. LaTorre, S. Muelas, and J.-M. Pena, "Multiple offspring sampling in large scale global optimization," in *Proceedings of the 2012 IEEE Congress on Evolutionary Computation*, X. Li, Ed., Brisbane, Australia, 10-15 June 2012, pp. 964–971.
- [Lattarulo and Parks(2012)] V. Lattarulo and G. T. Parks, "A preliminary study of a new multiobjective optimization algorithm," in *Proceedings of the 2012 IEEE Congress on Evolutionary Computation*, X. Li, Ed., Brisbane, Australia, 10-15 June 2012, pp. 1793–1800.
- [Le et al.(2012)Le, Ong, Menzel, Seah, and Sendhoff] M. N. Le, Y. S. Ong, S. Menzel, C.-W. Seah, and B. Sendhoff, "Multi co-objective evolutionary optimization: Cross surrogate augmentation for computationally expensive problems," in *Proceedings of the 2012 IEEE Congress on Evolutionary Computation*, X. Li, Ed., Brisbane, Australia, 10-15 June 2012, pp. 2911–2918.
- [Lee et al.(2012b)Lee, Gonzalez, Jacques, and Bugeda] D. Lee, L. F. Gonzalez, P. Jacques, and G. Bugeda, "Multi-objective design optimization of morphing UAV aerofoil/wing using hybridised MOGA," in *Proceedings of the 2012 IEEE Congress on Evolutionary Computation*, X. Li, Ed., Brisbane, Australia, 10-15 June 2012, pp. 1743–1750.

- [Lee et al.(2012a)Lee, An, and Oh] L.-K. Lee, S.-Y. An, and S.-Y. Oh, "Robust fingertip extraction with improved skin color segmentation for finger gesture recognition in human-robot interaction," in *Proceedings of the 2012 IEEE Congress on Evolutionary Computation*, X. Li, Ed., Brisbane, Australia, 10-15 June 2012, pp. 45–51.
- [Lee and Cho(2012)] M.-C. Lee and S.-B. Cho, "Interactive differential evolution for image enhancement application in smart phone," in *Proceedings of the 2012 IEEE Congress on Evolutionary Computation*, X. Li, Ed., Brisbane, Australia, 10-15 June 2012, pp. 887–892.
- [Legillon et al.(2012)Legillon, Liefooghe, and Talbi] F. Legillon, A. Liefooghe, and E.-G. Talbi, "CoBRA: A cooperative coevolutionary algorithm for bi-level optimization," in *Proceedings of the 2012 IEEE Congress on Evolutionary Computation*, X. Li, Ed., Brisbane, Australia, 10-15 June 2012, pp. 735–742.
- [Lehmann and Menzel(2012)] H. Lehmann and S. Menzel, "Evolvability as concept for the optimal design of free-form deformation control volumes," in *Proceedings of the 2012 IEEE Congress on Evolutionary Computation*, X. Li, Ed., Brisbane, Australia, 10-15 June 2012, pp. 517–524.
- [Leitao et al.(2012)Leitao, Pereira, and Machado] A. Leitao, F. B. Pereira, and P. Machado, "Enhancing cluster geometry optimization with island models," in *Proceedings of the 2012 IEEE Congress on Evolutionary Computation*, X. Li, Ed., Brisbane, Australia, 10-15 June 2012, pp. 2218–2225.
- [Lemonge et al.(2012)Lemonge, Barbosa, and Bernardino] A. Lemonge, H. Barbosa, and H. Bernardino, "A family of adaptive penalty schemes for steady-state genetic algorithms," in *Proceedings of the 2012 IEEE Congress on Evolutionary Computation*, X. Li, Ed., Brisbane, Australia, 10-15 June 2012, pp. 1554–1561.
- [Lepagnot et al.(2012)Lepagnot, Nakib, Oulhadj, and Siarry] J. Lepagnot, A. Nakib, H. Oulhadj, and P. Siarry, "A dynamic multi-agent algorithm applied to challenging benchmark problems," in *Proceedings of the 2012 IEEE Congress on Evolutionary Computation*, X. Li, Ed., Brisbane, Australia, 10-15 June 2012, pp. 2621–2628.
- [Leung et al.(2012)Leung, Zhang, and Yuen] S. W. Leung, X. Zhang, and S. Y. Yuen, "Multiobjective differential evolution algorithm with opposition-based parameter control," in *Proceedings of the 2012 IEEE Congress on Evolutionary Computation*, X. Li, Ed., Brisbane, Australia, 10-15 June 2012, pp. 849–856.
- [Li et al.(2012b)Li, Li, Mabu, and Hirasawa] B. Li, X. Li, S. Mabu, and K. Hirasawa, "Towards automatic discovery and reuse of subroutines in variable size genetic network programming," in *Proceedings of the 2012 IEEE Congress on Evolutionary Computation*, X. Li, Ed., Brisbane, Australia, 10-15 June 2012, pp. 485–492.
- [Li et al.(2012d)Li, Yang, and Yang] C. Li, S. Yang, and M. Yang, "Maintaining diversity by clustering in dynamic environments," in *Proceedings of the 2012 IEEE Congress on Evolutionary Computation*, X. Li, Ed., Brisbane, Australia, 10-15 June 2012, pp. 2734–2741.
- [Li et al.(2012c)Li, Li, Mabu, and Hirasawa] X. Li, B. Li, S. Mabu, and K. Hirasawa, "A continuous estimation of distribution algorithm by evolving graph structures using reinforcement learning," in *Proceedings of the 2012 IEEE Congress on Evolutionary Computation*, X. Li, Ed., Brisbane, Australia, 10-15 June 2012, pp. 2097–2104.
- [Li et al.(2012e)Li, Chen, Liu, and Wu] Y. Li, J. Chen, R. Liu, and J. Wu, "A spectral clustering-based adaptive hybrid multi-objective harmony search algorithm for community detection," in *Proceedings of the 2012 IEEE Congress on Evolutionary Computation*, X. Li, Ed., Brisbane, Australia, 10-15 June 2012, pp. 3308–3315.
- [Li and Guo(2012)] Y. Li and M. Guo, "Phase transition and new fitness function based genetic inductive loige programming algorithm," in *Proceedings of the 2012 IEEE Congress on Evolutionary Computation*, X. Li, Ed., Brisbane, Australia, 10-15 June 2012, pp. 956–963.

- [Li et al.(2012a)Li, Shang, Liang, and Niu] Z. Li, Z. Shang, J. J. Liang, and B. Niu, "An improved differential evolution for constrained optimization with dynamic constraint-handling mechanism," in *Proceedings of the 2012 IEEE Congress on Evolutionary Computation*, X. Li, Ed., Brisbane, Australia, 10-15 June 2012, pp. 17–22.
- [Liang et al.(2012c)Liang, Ma, Qu, and Niu] J. J. Liang, S. T. Ma, B. Y. Qu, and B. Niu, "Strategy adaptative memetic crowding differential evolution for multimodal optimization," in *Proceedings* of the 2012 IEEE Congress on Evolutionary Computation, X. Li, Ed., Brisbane, Australia, 10-15 June 2012, pp. 2919–2925.
- [Liang et al.(2012b)Liang, X. B, Qu, Niu, and Chen] J. J. Liang, M. X. B, B. Y. Qu, B. Niu, and T. J. Chen, "Elite multi-group differential evolution," in *Proceedings of the 2012 IEEE Congress on Evolutionary Computation*, X. Li, Ed., Brisbane, Australia, 10-15 June 2012, pp. 2413–2419.
- [Liang et al.(2012a)Liang, Qu, Suganthan, and Niu] J. J. Liang, B. Qu, P. N. Suganthan, and B. Niu, "Dynamic multi-swarm particle swarm optimization for multi-objective optimization problems," in *Proceedings of the 2012 IEEE Congress on Evolutionary Computation*, X. Li, Ed., Brisbane, Australia, 10-15 June 2012, pp. 1638–1645.
- [Liang and Juarez(2012)] Y.-C. Liang and J. R. C. Juarez, "Multilevel image thresholding using relative entropy and virus optimization algorithm," in *Proceedings of the 2012 IEEE Congress on Evolutionary Computation*, X. Li, Ed., Brisbane, Australia, 10-15 June 2012, pp. 3238–3245.
- [Liao and Ting(2012a)] C.-C. Liao and C.-K. Ting, "Extending the lifetime of dynamic wireless sensor networks by genetic algorithm," in *Proceedings of the 2012 IEEE Congress on Evolutionary Computation*, X. Li, Ed., Brisbane, Australia, 10-15 June 2012, pp. 1016–1023.
- [Liao and Ting(2012b)] X.-L. Liao and C.-K. Ting, "Evolutionary algorithms using adaptive mutation for the selective pickup and delivery problem," in *Proceedings of the 2012 IEEE Congress on Evolutionary Computation*, X. Li, Ed., Brisbane, Australia, 10-15 June 2012, pp. 2758–2765.
- [Lima et al.(2012)Lima, Carrano, and Takahashi] M. Lima, E. Carrano, and R. Takahashi, "Multiobjective planning of wireless local area networks (wlan) using genetic algorithms," in *Proceedings of the 2012 IEEE Congress on Evolutionary Computation*, X. Li, Ed., Brisbane, Australia, 10-15 June 2012, pp. 3526–3533.
- [Lin and ping Chen(2012)] J.-Y. Lin and Y. ping Chen, "When and what kind of memetic algorithms perform well," in *Proceedings of the 2012 IEEE Congress on Evolutionary Computation*, X. Li, Ed., Brisbane, Australia, 10-15 June 2012, pp. 2821–2828.
- [Lin et al.(2012)Lin, Ji, Zhu, and He] L. Lin, Z. Ji, Z. Zhu, and S. He, "A crown jewel defense strategy based particle swarm optimization," in *Proceedings of the 2012 IEEE Congress on Evolutionary Computation*, X. Li, Ed., Brisbane, Australia, 10-15 June 2012, pp. 1817–1822.
- [Ling et al.(2012)Ling, Nguyen, Leung, Chan, and Jiang] S. H. Ling, H. Nguyen, F. H. Leung, K. Y. Chan, and F. Jiang, "Intelligent fuzzy particle swarm optimization with cross-mutated operation," in *Proceedings of the 2012 IEEE Congress on Evolutionary Computation*, X. Li, Ed., Brisbane, Australia, 10-15 June 2012, pp. 1176–1183.
- [Liu et al.(2012f)Liu, Zhang, Fernandez, and Gielen] B. Liu, Q. Zhang, F. V. Fernandez, and G. Gielen, "Self-adaptive lower confidence bound: A new general and effective prescreening method for gaussian process surrogate model assisted evolutionary algorithms," in *Proceedings of the 2012 IEEE Congress on Evolutionary Computation*, X. Li, Ed., Brisbane, Australia, 10-15 June 2012, pp. 2479–2484.
- [Liu and Ting(2012)] C.-H. Liu and C.-K. Ting, "Polyphonic accompaniment using genetic algorithm with music theory," in *Proceedings of the 2012 IEEE Congress on Evolutionary Computation*, X. Li, Ed., Brisbane, Australia, 10-15 June 2012, pp. 2644–2650.

- [Liu et al.(2012a)Liu, Chen, and Gu] H.-L. Liu, W.-Q. Chen, and F. Gu, "A novel multi-objective differential evolutionary algorithm based sub-region search," in *Proceedings of the 2012 IEEE Congress on Evolutionary Computation*, X. Li, Ed., Brisbane, Australia, 10-15 June 2012, pp. 244–249.
- [Liu et al.(2012b)Liu, Hsu, and Hung] J.-L. Liu, Y.-T. Hsu, and C.-L. Hung, "Development of evolutionary data mining algorithms and their applications to cardiac disease diagnosis," in *Proceedings of the 2012 IEEE Congress on Evolutionary Computation*, X. Li, Ed., Brisbane, Australia, 10-15 June 2012, pp. 690–697.
- [Liu and Zhong(2012)] J. Liu and W. Zhong, "Continuous game dynamics on populations with a cycle structure under weak selection," in *Proceedings of the 2012 IEEE Congress on Evolutionary Computation*, X. Li, Ed., Brisbane, Australia, 10-15 June 2012, pp. 819–824.
- [Liu et al.(2012h)Liu, Liu, and Li] R. Liu, Y. Liu, and Y. Li, "An improved method for multi-objective clustering ensemble algorithm," in *Proceedings of the 2012 IEEE Congress on Evolutionary Computation*, X. Li, Ed., Brisbane, Australia, 10-15 June 2012, pp. 3355–3362.
- [Liu et al.(2012e)Liu, Wang, Li, and Xiangrong] R. Liu, X. Wang, Y. Li, and Z. Xiangrong, "Multi-objective invasive weed optimization algorithm for clustering," in *Proceedings of the 2012 IEEE Congress on Evolutionary Computation*, X. Li, Ed., Brisbane, Australia, 10-15 June 2012, pp. 2202–2209.
- [Liu et al.(2012g)Liu, Ji, Zhu, and He] W. Liu, Z. Ji, Z. Zhu, and S. He, "Survival analysis of gene expression data using PSO based radial basis function networks," in *Proceedings of the 2012 IEEE Congress on Evolutionary Computation*, X. Li, Ed., Brisbane, Australia, 10-15 June 2012, pp. 3095–3099.
- [Liu et al.(2012c)Liu, Chung, and Yeh] Y. Liu, Y. Y. Chung, and W. C. Yeh, "Simplified swarm optimization with sorted local search for golf data classification," in *Proceedings of the 2012 IEEE Congress on Evolutionary Computation*, X. Li, Ed., Brisbane, Australia, 10-15 June 2012, pp. 795–802.
- [Liu et al.(2012d)Liu, Chen, Xu, Li, and Li] Z. Liu, H. Chen, J. Xu, W. Li, and Z. Li, "Deterministic secure quantum communication with mutual authentication based on bell measurement," in *Proceedings of the 2012 IEEE Congress on Evolutionary Computation*, X. Li, Ed., Brisbane, Australia, 10-15 June 2012, pp. 1751–1755.
- [Logenthiran et al.(2012)Logenthiran, Dipti, Ashwin, and Raj] T. Logenthiran, S. Dipti, M. K. Ashwin, and T. S. Raj, "Optimal sizing of distributed energy resources for integrated microgrids using evolutionary strategy," in *Proceedings of the 2012 IEEE Congress on Evolutionary Computation*, X. Li, Ed., Brisbane, Australia, 10-15 June 2012, pp. 144–151.
- [Lopez and de Antonio(2012)] O. J. R. Lopez and A. de Antonio, "Evolving the way of doing the right thing," in *Proceedings of the 2012 IEEE Congress on Evolutionary Computation*, X. Li, Ed., Brisbane, Australia, 10-15 June 2012, pp. 2573–2580.
- [Louzada et al.(2012)Louzada, Camilo-Junior, Vincenzi, and Rodrigues] J. Louzada, C. Camilo-Junior, A. Vincenzi, and C. Rodrigues, "An elitist evolutionary algorithm for automatically generating test data," in *Proceedings of the 2012 IEEE Congress on Evolutionary Computation*, X. Li, Ed., Brisbane, Australia, 10-15 June 2012, pp. 455–462.
- [Lu and Han(2012)] Q. Lu and Q.-L. Han, "A finite-time particle swarm optimization algorithm," in *Proceedings of the 2012 IEEE Congress on Evolutionary Computation*, X. Li, Ed., Brisbane, Australia, 10-15 June 2012, pp. 841–848.
- [Ludwig(2012a)] S. Ludwig, "Step-optimized particle swarm optimization," in *Proceedings of the 2012 IEEE Congress on Evolutionary Computation*, X. Li, Ed., Brisbane, Australia, 10-15 June 2012, pp. 1703–1711.

- [Ludwig(2012b)] —, "Clonal selection based genetic algorithm for workflow service selection," in *Proceedings of the 2012 IEEE Congress on Evolutionary Computation*, X. Li, Ed., Brisbane, Australia, 10-15 June 2012, pp. 1960–1966.
- [Ma et al.(2012)Ma, Fei, Ding, and Jin] H. Ma, M. Fei, Z. Ding, and J. Jin, "Biogeography-based optimization with ensemble of migration models for global numerical optimization," in *Proceedings of the 2012 IEEE Congress on Evolutionary Computation*, X. Li, Ed., Brisbane, Australia, 10-15 June 2012, pp. 1110–1117.
- [Maali and Al-Jumaily(2012)] Y. Maali and A. Al-Jumaily, "A novel partially connected cooperative parallel PSO-SVM algorithm: Study based on sleep apnea detection," in *Proceedings of the 2012 IEEE Congress on Evolutionary Computation*, X. Li, Ed., Brisbane, Australia, 10-15 June 2012, pp. 198–205.
- [Macharet et al.(2012)Macharet, Neto, da Camara Neto, and Campos] D. Macharet, A. A. Neto, V. da Camara Neto, and M. Campos, "Data gathering tour optimization for Dubins' vehicles," in *Proceedings of the 2012 IEEE Congress on Evolutionary Computation*, X. Li, Ed., Brisbane, Australia, 10-15 June 2012, pp. 2041–2048.
- [Mahlmann et al.(2012)Mahlmann, Togelius, and Yannakakis] T. Mahlmann, J. Togelius, and G. N. Yannakakis, "Evolving card sets towards balancing dominion," in *Proceedings of the 2012 IEEE Congress on Evolutionary Computation*, X. Li, Ed., Brisbane, Australia, 10-15 June 2012, pp. 1223–1230.
- [Maia et al.(2012)Maia, De Castro, and Caminhas] R. Maia, L. De Castro, and W. Caminhas, "Bee colonies as model for multimodal continuous optimization: The optbees algorithm," in *Proceedings of the 2012 IEEE Congress on Evolutionary Computation*, X. Li, Ed., Brisbane, Australia, 10-15 June 2012, pp. 3363–3370.
- [Mallipeddi and Lee(2012a)] R. Mallipeddi and M. Lee, "Ensemble based face recognition using discriminant PCA features," in *Proceedings of the 2012 IEEE Congress on Evolutionary Computation*, X. Li, Ed., Brisbane, Australia, 10-15 June 2012, pp. 327–333.
- [Mallipeddi and Lee(2012b)] ——, "Surrogate model assisted ensemble differential evolution algorithm," in *Proceedings of the 2012 IEEE Congress on Evolutionary Computation*, X. Li, Ed., Brisbane, Australia, 10-15 June 2012, pp. 2073–2080.
- [MartInez and Coello Coello (2012)] S. Z. MartInez and C. A. Coello Coello, "A direct local search mechanism for decomposition-based multi-objective evolutionary algorithms," in *Proceedings of the 2012 IEEE Congress on Evolutionary Computation*, X. Li, Ed., Brisbane, Australia, 10-15 June 2012, pp. 3480–3487.
- [Matayoshi(2012)] M. Matayoshi, "Landscape information extraction from chromosome based on a quality control approach," in *Proceedings of the 2012 IEEE Congress on Evolutionary Computation*, X. Li, Ed., Brisbane, Australia, 10-15 June 2012, pp. 1944–1951.
- [Mavrovouniotis and Yang(2012)] M. Mavrovouniotis and S. Yang, "Ant colony optimization with memory-based immigrants for the dynamic vehicle routing problem," in *Proceedings of the 2012 IEEE Congress on Evolutionary Computation*, X. Li, Ed., Brisbane, Australia, 10-15 June 2012, pp. 2766–2773.
- [McCarthy(2012)] P. McCarthy, "Path-sharing: A new betweenness measure for community identification in networks," in *Proceedings of the 2012 IEEE Congress on Evolutionary Computation*, X. Li, Ed., Brisbane, Australia, 10-15 June 2012, pp. 79–84.
- [Meiguins et al.(2012)Meiguins, Limao, Meiguins, Sousa Junior, and Freitas] A. S. G. Meiguins, R. C. Limao, B. S. Meiguins, S. F. Sousa Junior, and A. A. Freitas, "Autoclustering an estimation of distribution algorithm for the automatic generation of clustering algorithms," in *Proceedings of the 2012 IEEE Congress on Evolutionary Computation*, X. Li, Ed., Brisbane, Australia, 10-15 June 2012, pp. 2687–2693.

- [Menchaca-Mendez and Coello Coello (2012)] A. Menchaca-Mendez and C. A. Coello Coello, "Solving multi-objective optimization problems using differential evolution and a maximin selection criterion," in *Proceedings of the 2012 IEEE Congress on Evolutionary Computation*, X. Li, Ed., Brisbane, Australia, 10-15 June 2012, pp. 3145–3152.
- [Meng and Hongliang(2012)] Y. Meng and G. Hongliang, "A gene regulatory network based framework for self-organization in mobile sensor networks," in *Proceedings of the 2012 IEEE Congress on Evolutionary Computation*, X. Li, Ed., Brisbane, Australia, 10-15 June 2012, pp. 533–539.
- [Merelo Guervos et al.(2012)Merelo Guervos, Mora, Cruz Almaguer, Esparcia-Alcazar, and Cotta] J.-J. Merelo Guervos, A. M. Mora, J. A. Cruz Almaguer, A. I. Esparcia-Alcazar, and C. Cotta, "Scaling in distributed evolutionary algorithms with persistent population," in *Proceedings of the 2012 IEEE Congress on Evolutionary Computation*, X. Li, Ed., Brisbane, Australia, 10-15 June 2012, pp. 625–632.
- [Mezura-Montes and Lopez-Davila(2012)] E. Mezura-Montes and E. A. Lopez-Davila, "Adaptation and local search in the modified bacterial foraging algorithm for constrained optimization," in *Proceedings of the 2012 IEEE Congress on Evolutionary Computation*, X. Li, Ed., Brisbane, Australia, 10-15 June 2012, pp. 1546–1553.
- [Mishra and Gallagher(2012)] K. Mishra and M. Gallagher, "Variable screening for reduced dependency modelling in gaussian-based continuous estimation of distribution algorithms," in *Proceedings of the 2012 IEEE Congress on Evolutionary Computation*, X. Li, Ed., Brisbane, Australia, 10-15 June 2012, pp. 2105–2112.
- [Mitavskiy and He(2012)] B. Mitavskiy and J. He, "A polynomial time approximation scheme for a single machine scheduling problem using a hybrid evolutionary algorithm," in *Proceedings of the* 2012 IEEE Congress on Evolutionary Computation, X. Li, Ed., Brisbane, Australia, 10-15 June 2012, pp. 1513–1520.
- [Mohammadi et al.(2012)Mohammadi, Omidvar, and Li] A. Mohammadi, M. N. Omidvar, and X. Li, "Reference point based multi-objective optimization through decomposition," in *Proceedings of the 2012 IEEE Congress on Evolutionary Computation*, X. Li, Ed., Brisbane, Australia, 10-15 June 2012, pp. 2131–2138.
- [Montgomery and Chen(2012)] J. Montgomery and S. Chen, "A simple strategy for maintaining diversity and reducing crowding in differential evolution," in *Proceedings of the 2012 IEEE Congress on Evolutionary Computation*, X. Li, Ed., Brisbane, Australia, 10-15 June 2012, pp. 2790–2797.
- [Moraglio et al.(2012)Moraglio, Otero, Johnson, Thompson, and Freitas] A. Moraglio, F. Otero, C. Johnson, S. Thompson, and A. Freitas, "Evolving recursive programs using non-recursive scaffolding," in *Proceedings of the 2012 IEEE Congress on Evolutionary Computation*, X. Li, Ed., Brisbane, Australia, 10-15 June 2012, pp. 2242–2249.
- [Moser and Gheorghita(2012)] I. Moser and M. Gheorghita, "Combining search space diagnostics and optimisation," in *Proceedings of the 2012 IEEE Congress on Evolutionary Computation*, X. Li, Ed., Brisbane, Australia, 10-15 June 2012, pp. 1900–1907.
- [Moubayed et al.(2012)Moubayed, hasan, Gan, Petrovski, and McCall] N. A. Moubayed, B. A. S. hasan, J. Q. Gan, A. Petrovski, and J. McCall, "Continuous presentation for multi-objective channel selection in brain-computer interfaces," in *Proceedings of the 2012 IEEE Congress on Evolutionary Computation*, X. Li, Ed., Brisbane, Australia, 10-15 June 2012, pp. 3488–3494.
- [Munoz et al.(2012)Munoz, Kirley, and Halgamuge] M. A. Munoz, M. Kirley, and S. Halgamuge, "Landscape characterization of numerical optimization problems using biased scattered data," in *Proceedings of the 2012 IEEE Congress on Evolutionary Computation*, X. Li, Ed., Brisbane, Australia, 10-15 June 2012, pp. 2162–2169.
- [Murakami(2012)] K. Murakami, "A genetic algorithm for probe testing problem on high-density PCB," in *Proceedings of the 2012 IEEE Congress on Evolutionary Computation*, X. Li, Ed., Brisbane, Australia, 10-15 June 2012, pp. 3456–3463.

- [Mussetta et al.(2012b)Mussetta, Grimaccia, and Zich] M. Mussetta, F. Grimaccia, and R. E. Zich, "Comparison of different optimization techniques for the design of electromagnetic devices," in *Proceedings of the 2012 IEEE Congress on Evolutionary Computation*, X. Li, Ed., Brisbane, Australia, 10-15 June 2012, pp. 705–710.
- [Mussetta et al.(2012a)Mussetta, Shadmehr, Grimaccia, Gandelli, and Zich] M. Mussetta, H. Shadmehr, F. Grimaccia, A. Gandelli, and R. Zich, "Optimization of a radio frequency energy harvesting device," in *Proceedings of the 2012 IEEE Congress on Evolutionary Computation*, X. Li, Ed., Brisbane, Australia, 10-15 June 2012, pp. 52–56.
- [Nag and Pal(2012)] K. Nag and T. Pal, "A new archive based steady state genetic algorithm," in *Proceedings of the 2012 IEEE Congress on Evolutionary Computation*, X. Li, Ed., Brisbane, Australia, 10-15 June 2012, pp. 1864–1870.
- [Nascimento and Vasconcelos(2012)] A. Nascimento and G. Vasconcelos, "An experimental investigation of artificial immune system algorithms for credit risk assessment applications," in *Proceedings of the 2012 IEEE Congress on Evolutionary Computation*, X. Li, Ed., Brisbane, Australia, 10-15 June 2012, pp. 1785–1792.
- [Nasir et al.(2012)Nasir, Sengupta, Das, and Suganthan] M. Nasir, S. Sengupta, S. Das, and P. N. Suganthan, "An improved multi-objective optimization algorithm based on fuzzy dominance for risk minimization in biometric sensor network," in *Proceedings of the 2012 IEEE Congress on Evolutionary Computation*, X. Li, Ed., Brisbane, Australia, 10-15 June 2012, pp. 980–987.
- [Nazmul et al.(2012)Nazmul, Chetty, Samudrala, and Chalmers] R. Nazmul, M. Chetty, R. Samudrala, and D. Chalmers, "Protein structure prediction based on optimal hydrophobic core formation," in *Proceedings of the 2012 IEEE Congress on Evolutionary Computation*, X. Li, Ed., Brisbane, Australia, 10-15 June 2012, pp. 1263–1271.
- [Neumann and Cairns(2012)] G. Neumann and D. Cairns, "Targeted EDA adapted for a routing problem with variable length chromosomes," in *Proceedings of the 2012 IEEE Congress on Evolutionary Computation*, X. Li, Ed., Brisbane, Australia, 10-15 June 2012, pp. 334–341.
- [Ngoko et al.(2012)Ngoko, Goldman, and Trystram] Y. Ngoko, A. Goldman, and D. Trystram, "Malleable resource sharing algorithms for cooperative resolution of problems," in *Proceedings of the 2012 IEEE Congress on Evolutionary Computation*, X. Li, Ed., Brisbane, Australia, 10-15 June 2012, pp. 407–414.
- [Nguyen and Wood(2012)] H. Nguyen and I. Wood, "Variable selection in statistical models using population-based incremental learning with applications to genome-wide association studies," in *Proceedings of the 2012 IEEE Congress on Evolutionary Computation*, X. Li, Ed., Brisbane, Australia, 10-15 June 2012, pp. 2466–2473.
- [Nguyen et al.(2012a)Nguyen, Kirley, and Garcia-Flores] M. V. Nguyen, M. Kirley, and R. Garcia-Flores, "Community evolution in a scientific collaboration network," in *Proceedings of the 2012 IEEE Congress on Evolutionary Computation*, X. Li, Ed., Brisbane, Australia, 10-15 June 2012, pp. 3222–3229.
- [Nguyen et al.(2012b)Nguyen, Zhang, Johnston, and Chen] S. Nguyen, M. Zhang, M. Johnston, and T. K. Chen, "A coevolution genetic programming method to evolve scheduling policies for dynamic multi-objective job shop scheduling problems," in *Proceedings of the 2012 IEEE Congress on Evolutionary Computation*, X. Li, Ed., Brisbane, Australia, 10-15 June 2012, pp. 3332–3339.
- [Ni et al.(2012)Ni, Li, Qiao, and Wu] J. Ni, L. Li, F. Qiao, and Q. Wu, "A novel memetic algorithm based on the comprehensive learning PSO," in *Proceedings of the 2012 IEEE Congress on Evolutionary Computation*, X. Li, Ed., Brisbane, Australia, 10-15 June 2012, pp. 915–922.
- [Nicolau et al.(2012)Nicolau, O'Neill, and Brabazon] M. Nicolau, M. O'Neill, and A. Brabazon, "Termination in grammatical evolution: Grammar design, wrapping, and tails," in *Proceedings of the 2012 IEEE Congress on Evolutionary Computation*, X. Li, Ed., Brisbane, Australia, 10-15 June 2012, pp. 2381–2388.

- [Nielsen et al.(2012)Nielsen, Dorronsoro, Danoy, and Bouvry] S. S. Nielsen, B. Dorronsoro, G. Danoy, and P. Bouvry, "Novel efficient asynchronous cooperative co-evolutionary multi-objective algorithms," in *Proceedings of the 2012 IEEE Congress on Evolutionary Computation*, X. Li, Ed., Brisbane, Australia, 10-15 June 2012, pp. 1372–1378.
- [Nikumbh et al.(2012)Nikumbh, Ghosh, and Jayaraman] S. Nikumbh, S. Ghosh, and V. Jayaraman, "Biogeography-based informative gene selection and cancer classification using SVM and random forests," in *Proceedings of the 2012 IEEE Congress on Evolutionary Computation*, X. Li, Ed., Brisbane, Australia, 10-15 June 2012, pp. 131–136.
- [Nitschke(2012)] G. Nitschke, "Behavioral heterogeneity, cooperation, and collective construction," in *Proceedings of the 2012 IEEE Congress on Evolutionary Computation*, X. Li, Ed., Brisbane, Australia, 10-15 June 2012, pp. 117–124.
- [Oliveira et al.(2012)Oliveira, Mota, and Barone] L. O. Oliveira, R. L. Mota, and D. A. Barone, "Clonal selection classifier with data reduction: Classification as an optimization task," in *Proceedings of the 2012 IEEE Congress on Evolutionary Computation*, X. Li, Ed., Brisbane, Australia, 10-15 June 2012, pp. 85–91.
- [Orito et al.(2012)Orito, Yamamoto, and Tsujimura] Y. Orito, H. Yamamoto, and Y. Tsujimura, "Equality constrained long-short portfolio replication by using probabilistic model-building GA," in *Proceedings of the 2012 IEEE Congress on Evolutionary Computation*, X. Li, Ed., Brisbane, Australia, 10-15 June 2012, pp. 1562–1569.
- [Ortuno et al.(2012)Ortuno, Florido, Urquiza, Pomares, Prieto, and Rojas] F. Ortuno, J. P. Florido, J. M. Urquiza, H. Pomares, A. Prieto, and I. Rojas, "Optimization of multiple sequence alignment methodologies using a multiobjective evolutionary algorithm based on NSGA-II," in *Proceedings of the 2012 IEEE Congress on Evolutionary Computation*, X. Li, Ed., Brisbane, Australia, 10-15 June 2012, pp. 92–99.
- [Ou and Ou(2012)] C.-M. Ou and C. Ou, "Immune memory with associativity: Perspectives on dynamical systems," in *Proceedings of the 2012 IEEE Congress on Evolutionary Computation*, X. Li, Ed., Brisbane, Australia, 10-15 June 2012, pp. 928–933.
- [Pace et al.(2012)Pace, Cain, and Woodward] S. Pace, A. Cain, and C. Woodward, "A consolidated model of particle swarm optimisation variants," in *Proceedings of the 2012 IEEE Congress on Evolutionary Computation*, X. Li, Ed., Brisbane, Australia, 10-15 June 2012, pp. 3270–3277.
- [Pai and Michel(2012)] G. A. V. Pai and T. Michel, "Differential evolution based optimization of risk budgeted equity market neutral portfolios," in *Proceedings of the 2012 IEEE Congress on Evolutionary Computation*, X. Li, Ed., Brisbane, Australia, 10-15 June 2012, pp. 1057–1064.
- [Palafox and Hitoshi(2012)] L. Palafox and I. Hitoshi, "On the use of population based incremental learning to do reverse engineering on gene regulatory networks," in *Proceedings of the 2012 IEEE Congress on Evolutionary Computation*, X. Li, Ed., Brisbane, Australia, 10-15 June 2012, pp. 1317–1324.
- [Park et al.(2012)Park, Lee, and Kim] I.-W. Park, K.-B. Lee, and J.-H. Kim, "Multi-objective evolutionary algorithm-based optimal posture control of humanoid robots," in *Proceedings of the 2012 IEEE Congress on Evolutionary Computation*, X. Li, Ed., Brisbane, Australia, 10-15 June 2012, pp. 175–181.
- [Paul et al.(2012)Paul, Kumar, and Singh] S. Paul, S. Kumar, and L. Singh, "Novel hybrid compact genetic algorithm for simultaneous structure and parameter learning of neural networks," in *Proceedings of the 2012 IEEE Congress on Evolutionary Computation*, X. Li, Ed., Brisbane, Australia, 10-15 June 2012, pp. 2567–2572.
- [Pehlivanoglu and Baysal(2012)] Y. V. Pehlivanoglu and O. Baysal, "Improved particle swarm optimization: Catching the big wave on the surf," in *Proceedings of the 2012 IEEE Congress on Evolutionary Computation*, X. Li, Ed., Brisbane, Australia, 10-15 June 2012, pp. 833–840.

- [Pei and Takagi(2012)] Y. Pei and H. Takagi, "Fourier analysis of the fitness landscape for evolutionary search acceleration," in *Proceedings of the 2012 IEEE Congress on Evolutionary Computation*, X. Li, Ed., Brisbane, Australia, 10-15 June 2012, pp. 2968–2974.
- [Perez et al.(2012)Perez, Rohlfshagen, and Lucas] D. Perez, P. Rohlfshagen, and S. Lucas, "The physical travelling salesman problem: WCCI 2012 competition," in *Proceedings of the 2012 IEEE Congress on Evolutionary Computation*, X. Li, Ed., Brisbane, Australia, 10-15 June 2012, pp. 1199–1206.
- [Picek et al.(2012)Picek, Golub, and Jakobovic] S. Picek, M. Golub, and D. Jakobovic, "Influence of the crossover operator in the performance of the hybrid taguchi GA," in *Proceedings of the 2012 IEEE Congress on Evolutionary Computation*, X. Li, Ed., Brisbane, Australia, 10-15 June 2012, pp. 423–430.
- [Pilat and Neruda(2012)] M. Pilat and R. Neruda, "An evolutionary strategy for surrogate-based multiobjective optimization," in *Proceedings of the 2012 IEEE Congress on Evolutionary Computation*, X. Li, Ed., Brisbane, Australia, 10-15 June 2012, pp. 1857–1863.
- [Pirisi et al.(2012)Pirisi, Grimaccia, Mussetta, and Zich] A. Pirisi, F. Grimaccia, M. Mussetta, and R. E. Zich, "An evolutionary optimized device for energy harvesting from traffic," in *Proceedings of the 2012 IEEE Congress on Evolutionary Computation*, X. Li, Ed., Brisbane, Australia, 10-15 June 2012, pp. 3593–3598.
- [Pisani and Lorena(2012)] P. H. Pisani and A. C. Lorena, "Evolutionary neural networks applied to keystroke dynamics: Genetic and immune based," in *Proceedings of the 2012 IEEE Congress on Evolutionary Computation*, X. Li, Ed., Brisbane, Australia, 10-15 June 2012, pp. 2999–3006.
- [Poon et al.(2012)Poon, Yin, Poon, Zhang, Liu, and Sze] J. Poon, D. Yin, S. Poon, R. Zhang, B. Liu, and D. Sze, "Co-evolution of symptom-herb relationship," in *Proceedings of the 2012 IEEE Congress on Evolutionary Computation*, X. Li, Ed., Brisbane, Australia, 10-15 June 2012, pp. 2460–2465.
- [Puris et al.(2012)Puris, Bello, Molina, and Herrera] A. Puris, R. Bello, D. Molina, and F. Herrera, "Optimising real parameters using the information of a mesh of solutions: VMO algorithm," in *Proceedings of the 2012 IEEE Congress on Evolutionary Computation*, X. Li, Ed., Brisbane, Australia, 10-15 June 2012, pp. 2659–2665.
- [Qiu et al.(2012)Qiu, Zao, and Chou] J.-W. Qiu, J. K. Zao, and Y.-H. Chou, "A geometrically faithful memetic algorithm for searching sparse representations of EEG signals," in *Proceedings of the 2012 IEEE Congress on Evolutionary Computation*, X. Li, Ed., Brisbane, Australia, 10-15 June 2012, pp. 379–385.
- [Rabelo et al.(2012a)Rabelo, Fernandes, and Silva] R. Rabelo, R. Fernandes, and I. Silva, "Operational planning of hydrothermal systems based on a fuzzy-PSO approach," in *Proceedings of the 2012 IEEE Congress on Evolutionary Computation*, X. Li, Ed., Brisbane, Australia, 10-15 June 2012, pp. 2581–2588.
- [Rabelo et al.(2012b)Rabelo, Lemos, and Barbosa] R. Rabelo, M. Lemos, and D. Barbosa, "Power system harmonics estimation using particle swarm optimization," in *Proceedings of the 2012 IEEE Congress on Evolutionary Computation*, X. Li, Ed., Brisbane, Australia, 10-15 June 2012, pp. 3534–3539.
- [Rada-Vilela et al.(2012)Rada-Vilela, Zhang, and Seah] J. Rada-Vilela, M. Zhang, and W. Seah, "A performance study on the effects of noise and evaporation in particle swarm optimization," in *Proceedings of the 2012 IEEE Congress on Evolutionary Computation*, X. Li, Ed., Brisbane, Australia, 10-15 June 2012, pp. 1892–1899.
- [Raffe et al.(2012)Raffe, Zambetta, and Li] W. Raffe, F. Zambetta, and X. Li, "A survey of procedural terrain generation techniques using evolutionary algorithms," in *Proceedings of the 2012 IEEE Congress on Evolutionary Computation*, X. Li, Ed., Brisbane, Australia, 10-15 June 2012, pp. 803–810.

- [Rahman and Dueck(2012)] M. M. Rahman and G. Dueck, "An algorithm to find quantum templates," in *Proceedings of the 2012 IEEE Congress on Evolutionary Computation*, X. Li, Ed., Brisbane, Australia, 10-15 June 2012, pp. 1668–1674.
- [Rahman et al.(2012)Rahman, Hussain, Scavino, Hannan, and Basri] M. O. Rahman, A. Hussain, E. Scavino, M. A. Hannan, and H. Basri, "Object identification using DNA computing algorithm," in *Proceedings of the 2012 IEEE Congress on Evolutionary Computation*, X. Li, Ed., Brisbane, Australia, 10-15 June 2012, pp. 315–321.
- [Rajasekhar et al.(2012)Rajasekhar, Das, and Suganthan] A. Rajasekhar, S. Das, and P. N. Suganthan, "Design of fractional order controller for a servohydraulic positioning system with micro artificial bee colony algorithm," in *Proceedings of the 2012 IEEE Congress on Evolutionary Computation*, X. Li, Ed., Brisbane, Australia, 10-15 June 2012, pp. 972–979.
- [Ramos and Vazquez(2012)] J. E. Ramos and R. A. Vazquez, "A new objective function to build seismic networks using differential evolution," in *Proceedings of the 2012 IEEE Congress on Evolutionary Computation*, X. Li, Ed., Brisbane, Australia, 10-15 June 2012, pp. 2898–2904.
- [Regnier-Coudert and McCall(2012)] O. Regnier-Coudert and J. McCall, "An island model genetic algorithm for Bayesian network structure learning," in *Proceedings of the 2012 IEEE Congress on Evolutionary Computation*, X. Li, Ed., Brisbane, Australia, 10-15 June 2012, pp. 3419–3426.
- [Reynolds and Gawasmeh(2012)] R. Reynolds and Y. Gawasmeh, "Evolving heterogeneous social fabrics for the solution of real-valued optimization problems using cultural algorithms," in *Proceedings of the 2012 IEEE Congress on Evolutionary Computation*, X. Li, Ed., Brisbane, Australia, 10-15 June 2012, pp. 3395–3402.
- [Riano and McGinnity(2012)] L. Riano and T. McGinnity, "A robot that autonomously improves skills by evolving computational graphs," in *Proceedings of the 2012 IEEE Congress on Evolutionary Computation*, X. Li, Ed., Brisbane, Australia, 10-15 June 2012, pp. 2049–2056.
- [Richter and Moser(2012)] J. Richter and I. Moser, "A distributed multiobjective approach to negotiations in semi-competitive environments," in *Proceedings of the 2012 IEEE Congress on Evolutionary Computation*, X. Li, Ed., Brisbane, Australia, 10-15 June 2012, pp. 3122–3128.
- [Rohler and Chen(2012)] A. B. Rohler and S. Chen, "Multi-swarm hybrid for multi-modal optimization," in *Proceedings of the 2012 IEEE Congress on Evolutionary Computation*, X. Li, Ed., Brisbane, Australia, 10-15 June 2012, pp. 2397–2404.
- [Rotaru and Brudaru(2012)] C. Rotaru and O. Brudaru, "Multi-grid cellular genetic algorithm for optimizing variable ordering of ROBDDs," in *Proceedings of the 2012 IEEE Congress on Evolutionary Computation*, X. Li, Ed., Brisbane, Australia, 10-15 June 2012, pp. 2529–2536.
- [Roy et al.(2012)Roy, MartInez, Coello Coello, and Sengupta] S. Roy, S. Z. MartInez, C. A. Coello Coello, and S. Sengupta, "A multi-objective evolutionary approach for linear antenna array design and synthesisa multi-objective evolutionary approach for linear antenna array design and synthesis a multi-objective evolutionary approach for linear antenna array design and synthesi," in *Proceedings of the 2012 IEEE Congress on Evolutionary Computation*, X. Li, Ed., Brisbane, Australia, 10-15 June 2012, pp. 3472–3479.
- [Ruuska and Miettinen(2012)] S. Ruuska and K. Miettinen, "Constructing evolutionary algorithms for bilevel multiobjective optimization," in *Proceedings of the 2012 IEEE Congress on Evolutionary Computation*, X. Li, Ed., Brisbane, Australia, 10-15 June 2012, pp. 250–256.
- [Ryu et al.(2012)Ryu, Lee, and Kim] S.-J. Ryu, K.-B. Lee, and J.-H. Kim, "Improved version of a multiobjective quantum-inspired evolutionary algorithm with preference-based selection," in *Proceedings of the 2012 IEEE Congress on Evolutionary Computation*, X. Li, Ed., Brisbane, Australia, 10-15 June 2012, pp. 2318–2324.
- [Saha and Ray(2012a)] A. Saha and T. Ray, "A repair mechanism for active inequality constraint handling," in *Proceedings of the 2012 IEEE Congress on Evolutionary Computation*, X. Li, Ed., Brisbane, Australia, 10-15 June 2012, pp. 546–553.

- [Saha and Ray(2012b)] —, "Equality constrained multi-objective optimization," in *Proceedings of the* 2012 IEEE Congress on Evolutionary Computation, X. Li, Ed., Brisbane, Australia, 10-15 June 2012, pp. 1395–1401.
- [Sandin et al.(2012)Sandin, Andrade, Viegas, Madeira, Rocha, Salles, and Goncalves] I. Sandin, G. Andrade, F. Viegas, D. Madeira, L. Rocha, T. Salles, and M. A. Goncalves, "Aggressive and effective feature selection using genetic programming," in *Proceedings of the 2012 IEEE Congress on Evolutionary Computation*, X. Li, Ed., Brisbane, Australia, 10-15 June 2012, pp. 2718–2725.
- [Sandran et al.(2012)Sandran, Zakaria, and Pal] T. Sandran, N. Zakaria, and A. J. Pal, "Performance profile of some hybrid heuristic search techniques using compiler flag selection as a seed example," in *Proceedings of the 2012 IEEE Congress on Evolutionary Computation*, X. Li, Ed., Brisbane, Australia, 10-15 June 2012, pp. 2474–2478.
- [Sano et al.(2012)Sano, Shindo, Jin'no, and Saito] R. Sano, T. Shindo, K. Jin'no, and T. Saito, "PSO-based multiple optima search systems with switched topology," in *Proceedings of the 2012 IEEE Congress on Evolutionary Computation*, X. Li, Ed., Brisbane, Australia, 10-15 June 2012, pp. 3340–3346.
- [Santana et al.(2012a)Santana, Mendiburu, and Lozano] R. Santana, A. Mendiburu, and J. A. Lozano, "Structural transfer using EDAs: An application to multi-marker tagging SNP selection," in *Proceedings of the 2012 IEEE Congress on Evolutionary Computation*, X. Li, Ed., Brisbane, Australia, 10-15 June 2012, pp. 3206–3213.
- [Santana et al.(2012b)Santana, Mendiburu, and Lozano] ——, "An analysis of the use of probabilistic modelling for synaptic connectivity prediction from genomic data," in *Proceedings of the 2012 IEEE Congress on Evolutionary Computation*, X. Li, Ed., Brisbane, Australia, 10-15 June 2012, pp. 3495–3502.
- [Santos et al.(2012)Santos, Takahashi, and Moreira] T. Santos, R. H. C. Takahashi, and G. J. P. Moreira, "A CMA stochastic differential equation approach for many-objective optimization," in *Proceedings of the 2012 IEEE Congress on Evolutionary Computation*, X. Li, Ed., Brisbane, Australia, 10-15 June 2012, pp. 3294–3299.
- [Saraiva and Pinheiro (2012)] R. Saraiva and P. Pinheiro, "A novel application of crossover operator to a hybrid optimization framework: investigation into cutting problems," in *Proceedings of the 2012 IEEE Congress on Evolutionary Computation*, X. Li, Ed., Brisbane, Australia, 10-15 June 2012, pp. 633–639.
- [Sato(2012)] A.-H. Sato, "Japanese international air travel: The relationship between flight ticket price and geodesic distance," in *Proceedings of the 2012 IEEE Congress on Evolutionary Computation*, X. Li, Ed., Brisbane, Australia, 10-15 June 2012, pp. 1065–1070.
- [Sato et al.(2012)Sato, Hasegawa, Bollegala, and Iba] H. Sato, Y. Hasegawa, D. Bollegala, and H. Iba, "Probabilistic model building GP with belief propagation," in *Proceedings of the 2012 IEEE Congress on Evolutionary Computation*, X. Li, Ed., Brisbane, Australia, 10-15 June 2012, pp. 2089–2096.
- [Sawai(2012)] H. Sawai, "Reorganizing a new generation airline network based on an ant-colony optimization-inspired small-world network," in *Proceedings of the 2012 IEEE Congress on Evolutionary Computation*, X. Li, Ed., Brisbane, Australia, 10-15 June 2012, pp. 287–294.
- [Sayed et al.(2012)Sayed, Esam, and Sarker] E. Sayed, D. Esam, and R. Sarker, "Dependency identification technique for large scale optimization problems," in *Proceedings of the 2012 IEEE Congress on Evolutionary Computation*, X. Li, Ed., Brisbane, Australia, 10-15 June 2012, pp. 1442–1449.
- [Seah et al.(2012)Seah, Ong, Tsang, and Jiang] C.-W. Seah, Y.-S. Ong, I. W. Tsang, and S. Jiang, "Pareto rank learning in multi-objective evolutionary algorithms," in *Proceedings of the 2012 IEEE Congress on Evolutionary Computation*, X. Li, Ed., Brisbane, Australia, 10-15 June 2012, pp. 2613–2620.

- [Segredo et al.(2012)Segredo, Segura, and Leon] E. Segredo, C. Segura, and C. Leon, "Analysing the robustness of multiobjectivisation parameters with large scale optimisation problems," in *Proceedings of the 2012 IEEE Congress on Evolutionary Computation*, X. Li, Ed., Brisbane, Australia, 10-15 June 2012, pp. 1729–1736.
- [Segretier et al.(2012)Segretier, Clergue, Collard, and Izquierdo] W. Segretier, M. Clergue, M. Collard, and L. Izquierdo, "An evolutionary data mining approach on hydrological data with classifier juries," in *Proceedings of the 2012 IEEE Congress on Evolutionary Computation*, X. Li, Ed., Brisbane, Australia, 10-15 June 2012, pp. 2853–2860.
- [Sekanina et al.(2012)Sekanina, Salajka, and Vasicek] L. Sekanina, V. Salajka, and Z. Vasicek, "Two-step evolution of polymorphic circuits for image multi-filtering," in *Proceedings of the 2012 IEEE Congress on Evolutionary Computation*, X. Li, Ed., Brisbane, Australia, 10-15 June 2012, pp. 1481–1488.
- [Selvan et al.(2012)Selvan, Muhammad, and Masra] K. V. Selvan, M. S. Muhammad, and S. M. W. Masra, "Ensembles of DNA letters for the design of unique DNA library using a modified version of multi-criteria VEDEPSO optimizer," in *Proceedings of the 2012 IEEE Congress on Evolutionary Computation*, X. Li, Ed., Brisbane, Australia, 10-15 June 2012, pp. 364–371.
- [Semenkin and Semenkina(2012)] E. Semenkin and M. Semenkina, "Self-configuring genetic programming algorithm with modified uniform crossover," in *Proceedings of the 2012 IEEE Congress on Evolutionary Computation*, X. Li, Ed., Brisbane, Australia, 10-15 June 2012, pp. 2501–2506.
- [Sengupta et al.(2012b)Sengupta, Chakraborti, Konar, Kim, and Nagar] A. Sengupta, T. Chakraborti, A. Konar, E. Kim, and A. K. Nagar, "An adaptive memetic algorithm using a synergy of differential evolution and learning automata," in *Proceedings of the 2012 IEEE Congress on Evolutionary Computation*, X. Li, Ed., Brisbane, Australia, 10-15 June 2012, pp. 2436–2443.
- [Sengupta et al.(2012a)Sengupta, Das, Nasir, Vasilakos, and Pedrycz] S. Sengupta, S. Das, M. Nasir, A. V. Vasilakos, and W. Pedrycz, "Energy-efficient differentiated coverage of dynamic objects using an improved evolutionary multi-objective optimization algorithm with fuzzy-dominance," in Proceedings of the 2012 IEEE Congress on Evolutionary Computation, X. Li, Ed., Brisbane, Australia, 10-15 June 2012, pp. 2186–2193.
- [Seredynski et al.(2012)Seredynski, Danoy, Masoud, Bouvry, and Yoann] M. Seredynski, G. Danoy, T. Masoud, P. Bouvry, and P. Yoann, "Generation of realistic mobility for VANETs using genetic algorithms," in *Proceedings of the 2012 IEEE Congress on Evolutionary Computation*, X. Li, Ed., Brisbane, Australia, 10-15 June 2012, pp. 3448–3455.
- [Sergeevich and Bartlett(2012)] A. Sergeevich and S. Bartlett, "Optimizing qubit Hamiltonian parameter estimation algorithm using PSO," in *Proceedings of the 2012 IEEE Congress on Evolutionary Computation*, X. Li, Ed., Brisbane, Australia, 10-15 June 2012, pp. 3092–3094.
- [Setayesh et al.(2012)Setayesh, Mengjie, and Mark] M. Setayesh, Z. Mengjie, and J. Mark, "Effects of static and dynamic topologies in particle swarm optimisation for edge detection in noisy images," in *Proceedings of the 2012 IEEE Congress on Evolutionary Computation*, X. Li, Ed., Brisbane, Australia, 10-15 June 2012, pp. 1341–1348.
- [Shang et al.(2012)Shang, Zhihui, Liang, and Niu] Z. Shang, L. Zhihui, J. J. Liang, and B. Niu, "Control parameters self-adaptation in differential," in *Proceedings of the 2012 IEEE Congress on Evolutionary Computation*, X. Li, Ed., Brisbane, Australia, 10-15 June 2012, pp. 65–70.
- [Shao and Er(2012)] Z. Shao and M. J. Er, "A review of inverse reinforcement learning theory and recent advances," in *Proceedings of the 2012 IEEE Congress on Evolutionary Computation*, X. Li, Ed., Brisbane, Australia, 10-15 June 2012, pp. 585–592.

- [Sharifi et al.(2012)Sharifi, Noroozi, Bashiri, Hashemi, and Meybodi] A. Sharifi, V. Noroozi, M. Bashiri, A. B. Hashemi, and M. R. Meybodi, "Two phased cellular PSO: A new collaborative cellular algorithm for optimization in dynamic environments," in *Proceedings of the 2012 IEEE Congress on Evolutionary Computation*, X. Li, Ed., Brisbane, Australia, 10-15 June 2012, pp. 350-357.
- [Sharma et al.(2012a)Sharma, Pant, and Bansal] T. K. Sharma, M. Pant, and J. C. Bansal, "Artificial bee colony with mean mutation operator for better exploitation," in *Proceedings of the 2012 IEEE Congress on Evolutionary Computation*, X. Li, Ed., Brisbane, Australia, 10-15 June 2012, pp. 3045–3051.
- [Sharma et al.(2012b)Sharma, Pant, and Bansal] —, "Some modifications to enhance the performance of artificial bee colony," in *Proceedings of the 2012 IEEE Congress on Evolutionary Computation*, X. Li, Ed., Brisbane, Australia, 10-15 June 2012, pp. 3577–3584.
- [Shelokar et al.(2012)Shelokar, Quirin, and Cordon] P. Shelokar, A. Quirin, and O. Cordon, "Automatic extraction of common research areas in world scientograms using the multiobjective subdue algorithm," in *Proceedings of the 2012 IEEE Congress on Evolutionary Computation*, X. Li, Ed., Brisbane, Australia, 10-15 June 2012, pp. 3230–3237.
- [Shelton et al.(2012)Shelton, Dozier, Adams, and Alford] J. Shelton, G. Dozier, J. Adams, and A. Alford, "Permutation-based biometric authentication protocols for mitigating replay attacks," in *Proceedings of the 2012 IEEE Congress on Evolutionary Computation*, X. Li, Ed., Brisbane, Australia, 10-15 June 2012, pp. 3630–3634.
- [Shen et al.(2012)Shen, Laio, and Chen] T.-W. Shen, T.-F. Laio, and S.-T. Chen, "Hormone concentration inception: Development an artificial immune system with immunomodulator (AISI) intervention," in *Proceedings of the 2012 IEEE Congress on Evolutionary Computation*, X. Li, Ed., Brisbane, Australia, 10-15 June 2012, pp. 656-661.
- [Shi et al.(2012)Shi, Yin, and Song] Q. Shi, W. Yin, and A. Song, "Analysis of motion detectors evolved by genetic programming," in *Proceedings of the 2012 IEEE Congress on Evolutionary Computation*, X. Li, Ed., Brisbane, Australia, 10-15 June 2012, pp. 501–508.
- [Shim et al.(2012a)Shim, Tan, and Tan] V. A. Shim, K. C. Tan, and K. K. Tan, "A hybrid estimation of distribution algorithm for solving the multi-objective multiple traveling salesman problem," in *Proceedings of the 2012 IEEE Congress on Evolutionary Computation*, X. Li, Ed., Brisbane, Australia, 10-15 June 2012, pp. 1809–1816.
- [Shim et al.(2012b)Shim, Tan, and Tan] —, "A hybrid adaptive evolutionary algorithm in the domination-based and decomposition-based frameworks of multi-objective optimization," in *Proceedings of the 2012 IEEE Congress on Evolutionary Computation*, X. Li, Ed., Brisbane, Australia, 10-15 June 2012, pp. 2113–2120.
- [Shimoyama et al.(2012)Shimoyama, Sato, Jeong, and Obayashi] K. Shimoyama, K. Sato, S. Jeong, and S. Obayashi, "Comparison of the criteria for updating kriging response surface models in multi-objective optimization," in *Proceedings of the 2012 IEEE Congress on Evolutionary Computation*, X. Li, Ed., Brisbane, Australia, 10-15 June 2012, pp. 2170–2177.
- [Si et al.(2012)Si, Wang, and Wu] C. Si, L. Wang, and Q. Wu, "Mapping constrained optimization problems to algorithms and constraint handling techniques," in *Proceedings of the 2012 IEEE Congress on Evolutionary Computation*, X. Li, Ed., Brisbane, Australia, 10-15 June 2012, pp. 3379–3386.
- [Siegmund et al.(2012)Siegmund, Ng, and Deb] F. Siegmund, A. H. Ng, and K. Deb, "Finding a preferred diverse set of pareto-optimal solutions for a limited number of function calls," in *Proceedings of the 2012 IEEE Congress on Evolutionary Computation*, X. Li, Ed., Brisbane, Australia, 10-15 June 2012, pp. 711–718.

- [Silveira et al.(2012)Silveira, Tanscheit, and Vellasco] L. Silveira, R. Tanscheit, and M. Vellasco, "Quantum-inspired genetic algorithms applied to ordering combinatorial optimization problems," in *Proceedings of the 2012 IEEE Congress on Evolutionary Computation*, X. Li, Ed., Brisbane, Australia, 10-15 June 2012, pp. 295–301.
- [Sinha et al.(2012c)Sinha, Malo, and Deb] A. Sinha, P. Malo, and K. Deb, "Unconstrained scalable test problems for single-objective bilevel optimization," in *Proceedings of the 2012 IEEE Congress on Evolutionary Computation*, X. Li, Ed., Brisbane, Australia, 10-15 June 2012, pp. 2333–2340.
- [Sinha et al.(2012b)Sinha, Pandey, and Deb] A. Sinha, A. Pandey, and K. Deb, "Solving high objective problems in fixed interactions with the decision maker," in *Proceedings of the 2012 IEEE Congress on Evolutionary Computation*, X. Li, Ed., Brisbane, Australia, 10-15 June 2012, pp. 2294–2301.
- [Sinha et al.(2012a)Sinha, Bhola, Panchal, Singhal, and Abraham] S. Sinha, A. Bhola, V. Panchal, S. Singhal, and A. Abraham, "Resolving mixed pixel using hybridization of ant colony optimization and biogeography based optimization," in *Proceedings of the 2012 IEEE Congress on Evolutionary Computation*, X. Li, Ed., Brisbane, Australia, 10-15 June 2012, pp. 222–227.
- [Siriwardana and Halgamuge (2012)] J. Siriwardana and S. Halgamuge, "Fast shortest path optimization inspired by shuttle streaming of physarum polycephalum," in *Proceedings of the 2012 IEEE Congress on Evolutionary Computation*, X. Li, Ed., Brisbane, Australia, 10-15 June 2012, pp. 3246–3253.
- [Smith-Miles and Tan(2012)] K. Smith-Miles and T. Tan, "Measuring algorithm footprints in instance space," in *Proceedings of the 2012 IEEE Congress on Evolutionary Computation*, X. Li, Ed., Brisbane, Australia, 10-15 June 2012, pp. 3569–3576.
- [Soam et al.(2012)Soam, Palafox, and Iba] V. Soam, L. Palafox, and H. Iba, "Multi-objective portfolio optimization and rebalancing using genetic algorithms with local search," in *Proceedings of the 2012 IEEE Congress on Evolutionary Computation*, X. Li, Ed., Brisbane, Australia, 10-15 June 2012, pp. 1087–1093.
- [Srivastava and Anand(2012)] S. Srivastava and Y. Anand, "An intelligent system to address occupational health of workers exposed to high risk jobs," in *Proceedings of the 2012 IEEE Congress on Evolutionary Computation*, X. Li, Ed., Brisbane, Australia, 10-15 June 2012, pp. 2552–2558.
- [Stringer et al.(2012)Stringer, Lamont, and Akers] J. Stringer, G. Lamont, and G. Akers, "Radar phase-coded waveform design using multi-objective evolutionary algorithms," in *Proceedings of the 2012 IEEE Congress on Evolutionary Computation*, X. Li, Ed., Brisbane, Australia, 10-15 June 2012, pp. 2310–2317.
- [Sun et al.(2012a)Sun, Yang, Gong, and Li] X. Sun, L. Yang, D. Gong, and M. Li, "Interactive genetic algorithm assisted with group decision making-based collective intelligence," in *Proceedings of the 2012 IEEE Congress on Evolutionary Computation*, X. Li, Ed., Brisbane, Australia, 10-15 June 2012, pp. 2673–2680.
- [Sun et al.(2012b)Sun, Lam, Li, Xu, and Yu] Y. Sun, A. Y. Lam, V. O. Li, J. Xu, and J. J. Yu, "Chemical reaction optimization for the optimal power flow problem," in *Proceedings of the 2012 IEEE Congress on Evolutionary Computation*, X. Li, Ed., Brisbane, Australia, 10-15 June 2012, pp. 3555–3562.
- [Szabo and Kroeger(2012)] C. Szabo and T. Kroeger, "Evolving multi-objective strategies for task allocation of scientific workflows on public clouds," in *Proceedings of the 2012 IEEE Congress on Evolutionary Computation*, X. Li, Ed., Brisbane, Australia, 10-15 June 2012, pp. 2302–2309.
- [Takahama and Sakai(2012a)] T. Takahama and S. Sakai, "Differential evolution with dynamic strategy and parameter selection by detecting landscape modality," in *Proceedings of the 2012 IEEE Congress on Evolutionary Computation*, X. Li, Ed., Brisbane, Australia, 10-15 June 2012, pp. 593–600.

- [Takahama and Sakai(2012b)] —, "Efficient constrained optimization by the epsilon constrained rank-based differential evolution," in *Proceedings of the 2012 IEEE Congress on Evolutionary Computation*, X. Li, Ed., Brisbane, Australia, 10-15 June 2012, pp. 1387–1394.
- [Takahama and Sakai(2012c)] —, "Large scale optimization by differential evolution with landscape modality detection and a diversity archive," in *Proceedings of the 2012 IEEE Congress on Evolutionary Computation*, X. Li, Ed., Brisbane, Australia, 10-15 June 2012, pp. 2876–2883.
- [Takahiro et al.(2012)Takahiro, Takuya, Takayuki, and Kenya] T. Takahiro, S. Takuya, K. Takayuki, and J. Kenya, "A relationship between network topology and search performance of PSO," in *Proceedings of the 2012 IEEE Congress on Evolutionary Computation*, X. Li, Ed., Brisbane, Australia, 10-15 June 2012, pp. 358–363.
- [Takano and Osana(2012)] M. Takano and Y. Osana, "Automatic composition system using genetic algorithm and n-gram model considering melody blocks," in *Proceedings of the 2012 IEEE Congress on Evolutionary Computation*, X. Li, Ed., Brisbane, Australia, 10-15 June 2012, pp. 525–532.
- [Takenouchi et al.(2012)Takenouchi, Tokumaru, and Muranaka] H. Takenouchi, M. Tokumaru, and N. Muranaka, "Performance evaluation of interactive evolutionary computation with tournament-style evaluation," in *Proceedings of the 2012 IEEE Congress on Evolutionary Computation*, X. Li, Ed., Brisbane, Australia, 10-15 June 2012, pp. 1–8.
- [Tan(2012)] S. C. Tan, "Simplifying and improving swarm-based clustering," in *Proceedings of the 2012 IEEE Congress on Evolutionary Computation*, X. Li, Ed., Brisbane, Australia, 10-15 June 2012, pp. 3190–3197.
- [Tanaka and Takahama(2012)] M. Tanaka and T. Takahama, "Restoration of motion-blurred line drawings by differential evolution and Richardson-Lucy algorithm," in *Proceedings of the 2012 IEEE Congress on Evolutionary Computation*, X. Li, Ed., Brisbane, Australia, 10-15 June 2012, pp. 1489–1496.
- [Tang et al.(2012)Tang, Alam, Lokan, and Abbass] J. Tang, S. Alam, C. Lokan, and H. Abbass, "A multi-objective evolutionary method for dynamic airspace re-sectorization using sectors clipping and similarities," in *Proceedings of the 2012 IEEE Congress on Evolutionary Computation*, X. Li, Ed., Brisbane, Australia, 10-15 June 2012, pp. 3607–3614.
- [Tang(2012)] M. Tang, "Evolutionary placement of continuously operating reference stations of network real-time kinematic," in *Proceedings of the 2012 IEEE Congress on Evolutionary Computation*, X. Li, Ed., Brisbane, Australia, 10-15 June 2012, pp. 415–422.
- [Tao et al.(2012)Tao, Cao, Zhang, Lin, and Li] Y. Tao, J. Cao, Y. Zhang, J. Lin, and M. Li, "Using module-level evolvable hardware approach in design of sequential logic circuits," in *Proceedings of the 2012 IEEE Congress on Evolutionary Computation*, X. Li, Ed., Brisbane, Australia, 10-15 June 2012, pp. 2234–2241.
- [Taroco et al.(2012)Taroco, Carrano, Neto, and Takahashi] C. Taroco, E. Carrano, O. Neto, and R. Takahashi, "A faster genetic algorithm for substation location and network design of power distribution systems," in *Proceedings of the 2012 IEEE Congress on Evolutionary Computation*, X. Li, Ed., Brisbane, Australia, 10-15 June 2012, pp. 463–468.
- [Tasgetiren et al.(2012)Tasgetiren, Bulut, and Fadiloglu] M. F. Tasgetiren, O. Bulut, and M. M. Fadiloglu, "A discrete harmony search algorithm for the economic lot scheduling problem with power of two policy," in *Proceedings of the 2012 IEEE Congress on Evolutionary Computation*, X. Li, Ed., Brisbane, Australia, 10-15 June 2012, pp. 2521–2528.
- [Tasoulis et al.(2012)Tasoulis, Epitropakis, Plagianakos, and Tasoulis] S. Tasoulis, M. Epitropakis, V. Plagianakos, and D. Tasoulis, "Density based projection pursuit clustering," in *Proceedings of the 2012 IEEE Congress on Evolutionary Computation*, X. Li, Ed., Brisbane, Australia, 10-15 June 2012, pp. 3643–3650.

- [Ter-Sarkisov(2012)] A. Ter-Sarkisov, "Elitism levels traverse mechanism for the derivation of upper bounds on unimodal functions," in *Proceedings of the 2012 IEEE Congress on Evolutionary* Computation, X. Li, Ed., Brisbane, Australia, 10-15 June 2012, pp. 617–624.
- [Thompson and Congdon(2012)] J. A. Thompson and C. B. Congdon, "GAMID: Using genetic algorithms for the inference of DNA motifs that are represented in only a subset of sequences of interest," in *Proceedings of the 2012 IEEE Congress on Evolutionary Computation*, X. Li, Ed., Brisbane, Australia, 10-15 June 2012, pp. 1301–1308.
- [Toda et al.(2012)Toda, Narita, and Kubota] Y. Toda, T. Narita, and N. Kubota, "Information visualization based on 3D modeling for human-friendly teleoperation," in *Proceedings of the 2012 IEEE Congress on Evolutionary Computation*, X. Li, Ed., Brisbane, Australia, 10-15 June 2012, pp. 3623–3629.
- [Trivedi et al.(2012)Trivedi, Sharma, and Srinivasan] A. Trivedi, D. Sharma, and D. Srinivasan, "Multi-objectivization of short-term unit commitment under uncertainty using evolutionary algorithm," in *Proceedings of the 2012 IEEE Congress on Evolutionary Computation*, X. Li, Ed., Brisbane, Australia, 10-15 June 2012, pp. 271–278.
- [Tsai et al.(2012)Tsai, Chen, and ping Chen] P.-C. Tsai, C.-M. Chen, and Y. ping Chen, "Sparse degrees analysis for LT codes optimization," in *Proceedings of the 2012 IEEE Congress on Evolutionary Computation*, X. Li, Ed., Brisbane, Australia, 10-15 June 2012, pp. 1010–1015.
- [Tsuji et al.(2012)Tsuji, Sato, Tanabe, Inagaki, and Hashimoto] M. Tsuji, M. Sato, A. Tanabe, Y. Inagaki, and T. Hashimoto, "An asynchronous parallel genetic algorithm for the maximum likelihood phylogenetic tree search," in *Proceedings of the 2012 IEEE Congress on Evolutionary Computation*, X. Li, Ed., Brisbane, Australia, 10-15 June 2012, pp. 2349–2356.
- [Tsutsui and Fujimoto(2012)] S. Tsutsui and N. Fujimoto, "Implementation of histogram based sampling algorithm within an EDA scheme with CUDA," in *Proceedings of the 2012 IEEE Congress on Evolutionary Computation*, X. Li, Ed., Brisbane, Australia, 10-15 June 2012, pp. 1247–1254.
- [Tusar et al.(2012)Tusar, Dovgan, and Filipic] T. Tusar, E. Dovgan, and B. Filipic, "Evolutionary scheduling of flexible offers for electricity supply and demand," in *Proceedings of the 2012 IEEE Congress on Evolutionary Computation*, X. Li, Ed., Brisbane, Australia, 10-15 June 2012, pp. 1160–1167.
- [Uchitane and Hatanaka(2012)] T. Uchitane and T. Hatanaka, "Experimental study for multi-objective PSO with single objective guide selection," in *Proceedings of the 2012 IEEE Congress on Evolutionary Computation*, X. Li, Ed., Brisbane, Australia, 10-15 June 2012, pp. 684–689.
- [Ulker and Landa-Silva(2012)] O. Ulker and D. Landa-Silva, "Evolutionary local search for solving the office space allocation problem," in *Proceedings of the 2012 IEEE Congress on Evolutionary Computation*, X. Li, Ed., Brisbane, Australia, 10-15 June 2012, pp. 3615–3622.
- [Unemi(2012)] T. Unemi, "SBArt4 for an automatic evolutionary art," in *Proceedings of the 2012 IEEE Congress on Evolutionary Computation*, X. Li, Ed., Brisbane, Australia, 10-15 June 2012, pp. 2605–2612.
- [Vahdat et al.(2012) Vahdat, Heywood, and Zincir-Heywood] A. Vahdat, M. I. Heywood, and A. N. Zincir-Heywood, "Symbiotic evolutionary subspace clustering," in *Proceedings of the 2012 IEEE Congress on Evolutionary Computation*, X. Li, Ed., Brisbane, Australia, 10-15 June 2012, pp. 2845–2852.
- [Valsecchi et al.(2012) Valsecchi, Damas, and Santamaria] A. Valsecchi, S. Damas, and J. Santamaria, "An image registration approach using genetic algorithms," in *Proceedings of the 2012 IEEE Congress on Evolutionary Computation*, X. Li, Ed., Brisbane, Australia, 10-15 June 2012, pp. 1450–1457.

- [Vanucci et al.(2012) Vanucci, Bicalho, Carrano, and Takahashi] S. Vanucci, R. Bicalho, E. Carrano, and R. Takahashi, "A modified NSGA-II for the multiobjective multi-mode resource-constrained project scheduling problem," in *Proceedings of the 2012 IEEE Congress on Evolutionary Computation*, X. Li, Ed., Brisbane, Australia, 10-15 June 2012, pp. 728–734.
- [Vasicek and Sekanina(2012)] Z. Vasicek and L. Sekanina, "On area minimization of complex combinational circuits using cartesian genetic programming," in *Proceedings of the 2012 IEEE Congress on Evolutionary Computation*, X. Li, Ed., Brisbane, Australia, 10-15 June 2012, pp. 825–832.
- [Vathsavayi et al.(2012) Vathsavayi, Raiha, and Koskimies] S. Vathsavayi, O. Raiha, and K. Koskimies, "Using quality farms in multi-objective genetic software architecture synthesis," in *Proceedings of the 2012 IEEE Congress on Evolutionary Computation*, X. Li, Ed., Brisbane, Australia, 10-15 June 2012, pp. 609–616.
- [Vazquez-Fernandez et al.(2012) Vazquez-Fernandez, Coello, and Sagols] E. Vazquez-Fernandez, C. Coello, and F. Sagols, "An evolutionary algorithm coupled with the hooke-jeeves algorithm for tuning a chess evaluation function," in *Proceedings of the 2012 IEEE Congress on Evolutionary Computation*, X. Li, Ed., Brisbane, Australia, 10-15 June 2012, pp. 1255–1262.
- [Vazquez-Rodriguez et al.(2012)Vazquez-Rodriguez, Gomollon, Varela, and Paz-Lopez] S. Vazquez-Rodriguez, J. A. Gomollon, G. Varela, and A. Paz-Lopez, "Non-observability analysis by means of an evolutionary technique in measured electric power systems," in *Proceedings of the 2012 IEEE Congress on Evolutionary Computation*, X. Li, Ed., Brisbane, Australia, 10-15 June 2012, pp. 988–994.
- [Veeramachaneni et al.(2012) Veeramachaneni, Wagner, O'Reilly, and Neumann] K. Veeramachaneni, M. Wagner, U.-M. O'Reilly, and F. Neumann, "Optimizing energy output and layout costs for large wind farms using particle swarm optimization," in *Proceedings of the 2012 IEEE Congress on Evolutionary Computation*, X. Li, Ed., Brisbane, Australia, 10-15 June 2012, pp. 3540–3546.
- [Vieira et al.(2012)Vieira, Mendonca, Farinha, and Sousa] S. Vieira, L. Mendonca, G. Farinha, and J. Sousa, "Metaheuristics for feature selection: application to sepsis outcome prediction," in *Proceedings of the 2012 IEEE Congress on Evolutionary Computation*, X. Li, Ed., Brisbane, Australia, 10-15 June 2012, pp. 934–941.
- [Vitorino et al.(2012)Vitorino, Ribeiro, and Bastos-Filho] L. Vitorino, S. Ribeiro, and C. Bastos-Filho, "A hybrid swarm intelligence optimizer based on particles and artificial bees for high-dimensional search spaces," in *Proceedings of the 2012 IEEE Congress on Evolutionary Computation*, X. Li, Ed., Brisbane, Australia, 10-15 June 2012, pp. 23–28.
- [Wan et al.(2012)Wan, Xiong, and Liu] S. Wan, S. Xiong, and Y. Liu, "Prediction based multi-strategy differential evolution algorithm for dynamic environments," in *Proceedings of the 2012 IEEE Congress on Evolutionary Computation*, X. Li, Ed., Brisbane, Australia, 10-15 June 2012, pp. 640–647.
- [Wang et al.(2012b)Wang, Yang, Chen, and Zhao] L. Wang, B. Yang, Y. Chen, and X. Zhao, "Predict the hydration of portland cement using differential evolution," in *Proceedings of the 2012 IEEE Congress on Evolutionary Computation*, X. Li, Ed., Brisbane, Australia, 10-15 June 2012, pp. 3443–3447.
- [Wang et al.(2012c)Wang, Xu, Mabu, and Hirasawa] L. Wang, W. Xu, S. Mabu, and K. Hirasawa, "Rule accumulation method based on credit genetic network programming," in *Proceedings of the 2012 IEEE Congress on Evolutionary Computation*, X. Li, Ed., Brisbane, Australia, 10-15 June 2012, pp. 3651–3658.
- [Wang et al.(2012a)Wang, Wu, and Fyfe] T.-D. Wang, X. Wu, and C. Fyfe, "Comparative study of visualisation methods for temporal data," in *Proceedings of the 2012 IEEE Congress on Evolutionary Computation*, X. Li, Ed., Brisbane, Australia, 10-15 June 2012, pp. 1052–1056.

- [Wang and Tang(2012)] X. Wang and L. Tang, "Multi-objective optimization using a hybrid differential evolution algorithm," in *Proceedings of the 2012 IEEE Congress on Evolutionary Computation*, X. Li, Ed., Brisbane, Australia, 10-15 June 2012, pp. 2081–2088.
- [Watanabe and Ito(2012)] D. Watanabe and K. Ito, "Roles of real-world properties in the baldwin effect," in *Proceedings of the 2012 IEEE Congress on Evolutionary Computation*, X. Li, Ed., Brisbane, Australia, 10-15 June 2012, pp. 399–406.
- [Weerasinghe and Sofronov(2012)] M. Weerasinghe and G. Sofronov, "A modified cross entropy method for detecting multiple change points in DNA count data," in *Proceedings of the 2012 IEEE Congress on Evolutionary Computation*, X. Li, Ed., Brisbane, Australia, 10-15 June 2012, pp. 2001–2008.
- [Wei and Wang(2012)] J. Wei and Y. Wang, "Hyper rectangle search based particle swarm algorithm for dynamic constrained multi-objective optimization problems," in *Proceedings of the 2012 IEEE Congress on Evolutionary Computation*, X. Li, Ed., Brisbane, Australia, 10-15 June 2012, pp. 190–197.
- [Wei and Fujimura(2012)] X. Wei and S. Fujimura, "Parallel quantum evolutionary algorithms with client-server model for multi-objective optimization on discrete problems," in *Proceedings of the 2012 IEEE Congress on Evolutionary Computation*, X. Li, Ed., Brisbane, Australia, 10-15 June 2012, pp. 3262–3269.
- [Wen et al.(2012)Wen, Gao, Li, Zhang, and Yang] L. Wen, L. Gao, X. Li, G. Zhang, and Y. Yang, "Application of free pattern search on the surface roughness prediction in end milling," in *Proceedings of the 2012 IEEE Congress on Evolutionary Computation*, X. Li, Ed., Brisbane, Australia, 10-15 June 2012, pp. 765–770.
- [Wenping et al.(2012)Wenping, Yuanyuan, Congling, and Jing] M. Wenping, H. Yuanyuan, L. Congling, and L. Jing, "Image segmentation based on a hybrid immune memetic algorithm," in *Proceedings of the 2012 IEEE Congress on Evolutionary Computation*, X. Li, Ed., Brisbane, Australia, 10-15 June 2012, pp. 1679–1686.
- [Wesolkowski and Wojtaszek (2012)] S. Wesolkowski and D. Wojtaszek, "SaFESST: Stochastic fleet estimation under steady state tasking via evolutionary fleet scheduling," in *Proceedings of the 2012 IEEE Congress on Evolutionary Computation*, X. Li, Ed., Brisbane, Australia, 10-15 June 2012, pp. 1325–1332.
- [Wesolkowski et al.(2012)Wesolkowski, Wojtaszek, and Willick] S. Wesolkowski, D. Wojtaszek, and K. Willick, "Multi-objective optimization of the fleet mix problem using the SaFER model," in *Proceedings of the 2012 IEEE Congress on Evolutionary Computation*, X. Li, Ed., Brisbane, Australia, 10-15 June 2012, pp. 2341–2348.
- [While and Bradstreet(2012)] L. While and L. Bradstreet, "Applying the WFG algorithm to calculate incremental hypervolumes," in *Proceedings of the 2012 IEEE Congress on Evolutionary Computation*, X. Li, Ed., Brisbane, Australia, 10-15 June 2012, pp. 1521–1528.
- [Williams and Browne(2012)] H. Williams and W. Browne, "Integration of learning classifier systems with simultaneous localisation and mapping for autonomous robotics," in *Proceedings of the 2012 IEEE Congress on Evolutionary Computation*, X. Li, Ed., Brisbane, Australia, 10-15 June 2012, pp. 2428–2435.
- [Wilson et al.(2012b)Wilson, Harding, Hoeber, Devillers, and Banzhaf] G. Wilson, S. Harding, O. Hoeber, R. Devillers, and W. Banzhaf, "Parallel exhaustive search vs. evolutionary computation in a large real world network search space," in *Proceedings of the 2012 IEEE Congress on Evolutionary Computation*, X. Li, Ed., Brisbane, Australia, 10-15 June 2012, pp. 1239–1246.
- [Wilson et al.(2012a)Wilson, Leblanc, and Banzhaf] G. Wilson, D. Leblanc, and W. Banzhaf, "Using sector information with linear genetic programming for intraday equity price trend analysis," in *Proceedings of the 2012 IEEE Congress on Evolutionary Computation*, X. Li, Ed., Brisbane, Australia, 10-15 June 2012, pp. 1071–1078.

- [Wink et al.(2012)Wink, Baeck, and Emmerich] S. Wink, T. Baeck, and M. Emmerich, "A metagenetic algorithm for solving the capacitated vehicle routing problem," in *Proceedings of the 2012 IEEE Congress on Evolutionary Computation*, X. Li, Ed., Brisbane, Australia, 10-15 June 2012, pp. 3635–3642.
- [Witten and Clancey(2012)] M. Witten and O. Clancey, "An evolutionary algorithm for optimization of affine transformation parameters for dose matrix warping in patient-specific quality assurance of radiotherapy dose distributions," in *Proceedings of the 2012 IEEE Congress on Evolutionary Computation*, X. Li, Ed., Brisbane, Australia, 10-15 June 2012, pp. 108–111.
- [Wu et al.(2012c)Wu, McCall, Corne, and Regnier-Coudert] Y. Wu, J. McCall, D. Corne, and O. Regnier-Coudert, "Landscape analysis for hyperheuristic bayesian network structure learning on unseen problems," in *Proceedings of the 2012 IEEE Congress on Evolutionary Computation*, X. Li, Ed., Brisbane, Australia, 10-15 June 2012, pp. 3198–3205.
- [Wu et al.(2012a)Wu, Ho, Shyu, and Lin] Y.-L. Wu, T.-F. Ho, S. J. Shyu, and B. M. T. Lin, "Discrete particle swarm optimization for materials acquisition in multi-unit libraries," in *Proceedings of the 2012 IEEE Congress on Evolutionary Computation*, X. Li, Ed., Brisbane, Australia, 10-15 June 2012, pp. 662–668.
- [Wu et al.(2012b)Wu, Xu, Chow, and Zhao] Z. Wu, L. Xu, T. W. S. Chow, and M. Zhao, "Local cooperation delivers global optimization," in *Proceedings of the 2012 IEEE Congress on Evolutionary Computation*, X. Li, Ed., Brisbane, Australia, 10-15 June 2012, pp. 2271–2278.
- [Xiao and Zuo(2012)] L. Xiao and X. Zuo, "Multi-DEPSO—a DE and PSO based hybrid algorithm in dynamic environments," in *Proceedings of the 2012 IEEE Congress on Evolutionary Computation*, X. Li, Ed., Brisbane, Australia, 10-15 June 2012, pp. 1601–1607.
- [Xie et al.(2012)Xie, Song, and Ciesielski] F. Xie, A. Song, and V. Ciesielski, "Event detection in time series by genetic programming," in *Proceedings of the 2012 IEEE Congress on Evolutionary Computation*, X. Li, Ed., Brisbane, Australia, 10-15 June 2012, pp. 2507–2514.
- [Xinguo et al.(2012)Xinguo, Xingquan, and Cheng] S. Xinguo, Z. Xingquan, and C. Cheng, "A cultural clonal selection algorithm based fast vehicle scheduling approach," in *Proceedings of the 2012 IEEE Congress on Evolutionary Computation*, X. Li, Ed., Brisbane, Australia, 10-15 June 2012, pp. 893–899.
- [Xiong et al.(2012)Xiong, Abbass, and Shafi] J. Xiong, H. Abbass, and K. Shafi, "Multi-uncertainty problems (MUP) with applications to managing risk in resource-constrained project scheduling," in *Proceedings of the 2012 IEEE Congress on Evolutionary Computation*, X. Li, Ed., Brisbane, Australia, 10-15 June 2012, pp. 1505–1512.
- [Xu et al.(2012a)Xu, Lv, Zhou, and Dou] J. Xu, Q. Lv, J. Zhou, and Y. Dou, "A self-organizing and self-adaptive french flag organism based on lateral activation model," in *Proceedings of the 2012 IEEE Congress on Evolutionary Computation*, X. Li, Ed., Brisbane, Australia, 10-15 June 2012, pp. 493–500.
- [Xu et al.(2012b)Xu, Lam, Li, Li, and Fan] J. Xu, A. Y. Lam, V. O. Li, Q. Li, and X. Fan, "Short adjacent repeat identification based on chemical reaction optimization," in *Proceedings of the 2012 IEEE Congress on Evolutionary Computation*, X. Li, Ed., Brisbane, Australia, 10-15 June 2012, pp. 601–608.
- [Xue et al.(2012)Xue, Zhang, and Browne] B. Xue, M. Zhang, and W. N. Browne, "New fitness functions in binary particle swarm optimisation for feature selection," in *Proceedings of the 2012 IEEE Congress on Evolutionary Computation*, X. Li, Ed., Brisbane, Australia, 10-15 June 2012, pp. 779–786.
- [Yamaguchi et al.(2012)Yamaguchi, Hiroyasu, Nunokawa, Koizumi, Okumura, Yokouchi, Miki, and Yoshimi] H. Yamaguchi, T. Hiroyasu, S. Nunokawa, N. Koizumi, N. Okumura, H. Yokouchi, M. Miki, and M. Yoshimi, "Comparison study of controlling bloat model of GP in constructing filter for cell image segmentation problems," in *Proceedings of the 2012 IEEE Congress on Evolutionary Computation*, X. Li, Ed., Brisbane, Australia, 10-15 June 2012, pp. 3503–3510.

- [Yan et al.(2012)Yan, Le, Iliyasu, Sun, Garcia, Dong, and Hirota] F. Yan, P. Q. Le, A. M. Iliyasu, B. Sun, J. A. Garcia, F. Dong, and K. Hirota, "Assessing the similarity of quantum images based on probability measurements," in *Proceedings of the 2012 IEEE Congress on Evolutionary Computation*, X. Li, Ed., Brisbane, Australia, 10-15 June 2012, pp. 1662–1667.
- [yan Sun et al.(2012)yan Sun, shan Chen, and ping Ma] X. yan Sun, S. shan Chen, and X. ping Ma, "Semi-supervised ranking SVM-assisted IGA with hierarchical evaluations," in *Proceedings of the* 2012 IEEE Congress on Evolutionary Computation, X. Li, Ed., Brisbane, Australia, 10-15 June 2012, pp. 3153–3160.
- [Yang(2012)] L. Yang, "Adaptive learning evaluation model for evolutionary art," in *Proceedings of the* 2012 IEEE Congress on Evolutionary Computation, X. Li, Ed., Brisbane, Australia, 10-15 June 2012, pp. 2589–2596.
- [Yang et al.(2012)Yang, Mabu, and Hirasawa] Y. Yang, S. Mabu, and K. Hirasawa, "A multitasks learning approach to autonomous agent based on genetic network programming," in *Proceedings of the 2012 IEEE Congress on Evolutionary Computation*, X. Li, Ed., Brisbane, Australia, 10-15 June 2012, pp. 1937–1943.
- [Yao et al.(2012)Yao, Gong, Luo, and Li] X. Yao, D. Gong, Y. Luo, and M. Li, "Test data reduction based on dominance relations of target statements," in *Proceedings of the 2012 IEEE Congress on Evolutionary Computation*, X. Li, Ed., Brisbane, Australia, 10-15 June 2012, pp. 743-750.
- [Yazdani et al.(2012)Yazdani, Akbarzadeh-Totonchi, Nasiri, and Meybodi] D. Yazdani, M. R. Akbarzadeh-Totonchi, B. Nasiri, and M. R. Meybodi, "A new artificial fish swarm algorithm for dynamic optimization problems," in *Proceedings of the 2012 IEEE Congress on Evolutionary Computation*, X. Li, Ed., Brisbane, Australia, 10-15 June 2012, pp. 1538–1545.
- [Yeh and Yang(2012)] C.-H. Yeh and C.-Y. Yang, "Can learning affect the effectiveness of price limits?" in *Proceedings of the 2012 IEEE Congress on Evolutionary Computation*, X. Li, Ed., Brisbane, Australia, 10-15 June 2012, pp. 1094–1101.
- [Yeh et al.(2012)Yeh, Yeh, Chou, Chung, and He] W.-C. Yeh, Y.-M. Yeh, C.-H. Chou, Y. Chung, and X. He, "A radio frequency identification network design methodology for the decision problem in mackay memorial hospital based on swarm optimization," in *Proceedings of the 2012 IEEE Congress on Evolutionary Computation*, X. Li, Ed., Brisbane, Australia, 10-15 June 2012, pp. 698–704.
- [Yoo et al.(2012)Yoo, Seok, and Zhang] J. H. Yoo, H.-S. Seok, and B.-T. Zhang, "Evolutionary particle filtering for sequential dependency learning from video data," in *Proceedings of the 2012 IEEE Congress on Evolutionary Computation*, X. Li, Ed., Brisbane, Australia, 10-15 June 2012, pp. 1608–1615.
- [Yu et al.(2012b)Yu, Lam, and Li] J. J. Yu, A. Y. Lam, and V. O. Li, "Real-coded chemical reaction optimization with different perturbation functions," in *Proceedings of the 2012 IEEE Congress on Evolutionary Computation*, X. Li, Ed., Brisbane, Australia, 10-15 June 2012, pp. 2983–2990.
- [Yu et al.(2012a)Yu, Li, and Lam] J. J. Yu, V. O. Li, and A. Y. Lam, "Sensor deployment for air pollution monitoring using public transportation system," in *Proceedings of the 2012 IEEE Congress on Evolutionary Computation*, X. Li, Ed., Brisbane, Australia, 10-15 June 2012, pp. 995–1001.
- [Yuan and Xu(2012)] Y. Yuan and H. Xu, "HHS/LNS: An integrated search method for flexible job shop scheduling," in *Proceedings of the 2012 IEEE Congress on Evolutionary Computation*, X. Li, Ed., Brisbane, Australia, 10-15 June 2012, pp. 811–818.
- [yue Qiu et al.(2012)yue Qiu, shi Wu, ping Wang, and Jiang] F. yue Qiu, Y. shi Wu, L. ping Wang, and B. Jiang, "Bipolar preferences dominance based evolutionary algorithm for many-objective optimization," in *Proceedings of the 2012 IEEE Congress on Evolutionary Computation*, X. Li, Ed., Brisbane, Australia, 10-15 June 2012, pp. 787–794.

- [Yuen et al.(2012)Yuen, Gao, Wagner, and Neumann] J. Yuen, S. Gao, M. Wagner, and F. Neumann, "An adaptive data structure for evolutionary multi-objective algorithms with unbounded archives," in *Proceedings of the 2012 IEEE Congress on Evolutionary Computation*, X. Li, Ed., Brisbane, Australia, 10-15 June 2012, pp. 1985–1992.
- [Yusoh and Tang(2012)] Z. M. Yusoh and M. Tang, "Clustering composite SaaS components in cloud computing using a grouping genetic algorithm," in *Proceedings of the 2012 IEEE Congress on Evolutionary Computation*, X. Li, Ed., Brisbane, Australia, 10-15 June 2012, pp. 2357–2364.
- [Yuwono et al.(2012a) Yuwono, Su, Moulton, and Nguyen] M. Yuwono, S. W. Su, B. Moulton, and H. Nguyen, "Fast unsupervised learning method for rapid estimation of cluster centroids," in *Proceedings of the 2012 IEEE Congress on Evolutionary Computation*, X. Li, Ed., Brisbane, Australia, 10-15 June 2012, pp. 2139–2146.
- [Yuwono et al.(2012b) Yuwono, Su, Moulton, and Nguyen] —, "Method for increasing the computation speed of an unsupervised learning approach for data clustering," in *Proceedings of the 2012 IEEE Congress on Evolutionary Computation*, X. Li, Ed., Brisbane, Australia, 10-15 June 2012, pp. 3007–3014.
- [Zamuda and Brest(2012)] A. Zamuda and J. Brest, "Tree model reconstruction innovization using multi-objective differential evolution," in *Proceedings of the 2012 IEEE Congress on Evolutionary Computation*, X. Li, Ed., Brisbane, Australia, 10-15 June 2012, pp. 1616–1623.
- [Zao et al.(2012)Zao, Hornansky, and Diao] J. K. Zao, M. Hornansky, and P.-L. Diao, "Design of optimal short-length LT codes using evolution strategies," in *Proceedings of the 2012 IEEE Congress on Evolutionary Computation*, X. Li, Ed., Brisbane, Australia, 10-15 June 2012, pp. 152–160.
- [Zhang and Saunders (2012)] A. Zhang and R. Saunders, "Towards the evolution of a language for creative design," in *Proceedings of the 2012 IEEE Congress on Evolutionary Computation*, X. Li, Ed., Brisbane, Australia, 10-15 June 2012, pp. 1024–1029.
- [Zhang et al.(2012e)Zhang, Mahfouf, Panoutsos, and Wang] G. Zhang, M. Mahfouf, G. Panoutsos, and S. Wang, "A multi-objective particle swarm optimization algorithm with a dynamic hypercube archive, mutation and population competition," in *Proceedings of the 2012 IEEE Congress on Evolutionary Computation*, X. Li, Ed., Brisbane, Australia, 10-15 June 2012, pp. 1885–1891.
- [Zhang et al.(2012b)Zhang, Zhu, and Yan] H. Zhang, Y. Zhu, and X. Yan, "Multi-hive artificial bee colony algorithm for constrained multi-objective optimization," in *Proceedings of the 2012 IEEE Congress on Evolutionary Computation*, X. Li, Ed., Brisbane, Australia, 10-15 June 2012, pp. 554–561.
- [Zhang and Li(2012)] K. Zhang and B. Li, "Cooperative coevolution with global search for large scale global optimization," in *Proceedings of the 2012 IEEE Congress on Evolutionary Computation*, X. Li, Ed., Brisbane, Australia, 10-15 June 2012, pp. 3031–3037.
- [Zhang et al.(2012a)Zhang, Li, and Tan] K. Zhang, B. Li, and L. Tan, "Empirical study of the effect of variable correlation on grouping in cooperative coevolutionary evolutionary algorithms," in *Proceedings of the 2012 IEEE Congress on Evolutionary Computation*, X. Li, Ed., Brisbane, Australia, 10-15 June 2012, pp. 308–314.
- [Zhang and Zhou(2012)] L. Zhang and C. Zhou, "Self organized parallel genetic algorithm to automatically realize diversified convergence," in *Proceedings of the 2012 IEEE Congress on Evolutionary Computation*, X. Li, Ed., Brisbane, Australia, 10-15 June 2012, pp. 719–727.
- [Zhang et al.(2012g)Zhang, He, and Yan] L. Zhang, R. He, and M. Yan, "Heterogeneous double populations based hybrid genetic algorithm design for training feedforward neural networks," in *Proceedings of the 2012 IEEE Congress on Evolutionary Computation*, X. Li, Ed., Brisbane, Australia, 10-15 June 2012, pp. 2991–2998.

- [Zhang et al.(2012c)Zhang, Feng, Zhang, and Xiong] W. Zhang, X. Feng, Y. Zhang, and X. Xiong, "Information diffusion and its impacts on artificial stock markets in learning process," in *Proceedings of the 2012 IEEE Congress on Evolutionary Computation*, X. Li, Ed., Brisbane, Australia, 10-15 June 2012, pp. 1146–1151.
- [Zhang and Yen(2012)] W. Zhang and G. Yen, "Immune-inspired evolutionary algorithm for constrained optimization," in *Proceedings of the 2012 IEEE Congress on Evolutionary Computation*, X. Li, Ed., Brisbane, Australia, 10-15 June 2012, pp. 1695–1702.
- [Zhang et al.(2012f)Zhang, Zhang, and Li] X. Zhang, E. Zhang, and R. Li, "Optimized feature extraction by immune clonal selection algorithm," in *Proceedings of the 2012 IEEE Congress on Evolutionary Computation*, X. Li, Ed., Brisbane, Australia, 10-15 June 2012, pp. 2681–2686.
- [Zhang and Luo(2012)] X. Zhang and W. Luo, "Evolutionary repair for evolutionary design of combinational logic circuits," in *Proceedings of the 2012 IEEE Congress on Evolutionary Computation*, X. Li, Ed., Brisbane, Australia, 10-15 June 2012, pp. 1473–1480.
- [Zhang and Yuen(2012)] X. Zhang and S. Y. Yuen, "Opposition-based adaptive differential evolution," in *Proceedings of the 2012 IEEE Congress on Evolutionary Computation*, X. Li, Ed., Brisbane, Australia, 10-15 June 2012, pp. 1843–1850.
- [Zhang et al.(2012d)Zhang, Seah, and Sun] Z. Zhang, H. S. Seah, and J. Sun, "A hybrid particle swarm optimization with cooperative method for multi-object tracking," in *Proceedings of the 2012 IEEE Congress on Evolutionary Computation*, X. Li, Ed., Brisbane, Australia, 10-15 June 2012, pp. 1624–1629.
- [Zhao and Suganthan(2012)] S.-Z. Zhao and P. N. Suganthan, "Comprehensive comparison of convergence performance of optimization algorithms based on nonparametric statistical tests," in *Proceedings of the 2012 IEEE Congress on Evolutionary Computation*, X. Li, Ed., Brisbane, Australia, 10-15 June 2012, pp. 2861–2867.
- [Zhou et al.(2012)Zhou, Zhang, and Zhang] A. Zhou, Q. Zhang, and G. Zhang, "A multiobjective evolutionary algorithm based on decomposition and probability model," in *Proceedings of the 2012 IEEE Congress on Evolutionary Computation*, X. Li, Ed., Brisbane, Australia, 10-15 June 2012, pp. 3129–3136.
- [Zhu et al.(2012a)Zhu, Cao, and Yang] L. Zhu, L. Cao, and J. Yang, "Multiobjective evolutionary algorithm-based soft subspace clustering," in *Proceedings of the 2012 IEEE Congress on Evolutionary Computation*, X. Li, Ed., Brisbane, Australia, 10-15 June 2012, pp. 2837–2844.
- [Zhu et al.(2012b)Zhu, Liu, Ji, and He] Z. Zhu, W. Liu, Z. Ji, and S. He, "Memetic clustering based on particle swarm optimizer and k-means," in *Proceedings of the 2012 IEEE Congress on Evolutionary Computation*, X. Li, Ed., Brisbane, Australia, 10-15 June 2012, pp. 2905–2910.
- [Zulvia et al.(2012)Zulvia, Kuo, and Hu] F. E. Zulvia, R. Kuo, and T.-L. Hu, "Solving CVRP with time window, fuzzy travel time and demand via a hybrid ant colony optimization and genetic algorithm," in *Proceedings of the 2012 IEEE Congress on Evolutionary Computation*, X. Li, Ed., Brisbane, Australia, 10-15 June 2012, pp. 2960–2967.