## Список литературы

- [Abdulhamid et al.(2012)Abdulhamid, Song, Neshatian & Zhang] ABDULHAMID, F., SONG, A., NESHATIAN, K. & ZHANG, M. (2012). Evolving genetic programming classifiers with loop structures. In: Proceedings of the 2012 IEEE Congress on Evolutionary Computation (LI, X., ed.). Brisbane, Australia.
- [Abello et al.(2012) Abello, Michalewicz & Bui] Abello, M., Michalewicz, Z. & Bui, L. T. (2012). A reactive-proactive approach for solving dynamic scheduling with time-varying number of tasks. In: Proceedings of the 2012 IEEE Congress on Evolutionary Computation (Li, X., ed.). Brisbane, Australia.
- [Adewumi et al.(2012)Adewumi, Budlender & Olusanya] ADEWUMI, A., BUDLENDER, N. & OLUSANYA, M. (2012). Optimizing the assignment of blood in a blood banking system: Some initial results. In: Proceedings of the 2012 IEEE Congress on Evolutionary Computation (LI, X., ed.). Brisbane, Australia.
- [Ahmed & Shaheen(2012)] AHMED, K. & SHAHEEN, F. (2012). 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* (LI, X., ed.). Brisbane, Australia.
- [Akay & Kirmizi(2012)] Akay, B. & Kirmizi, I. (2012). Structural optimization of wavelet packets using swarm algorithms. In: *Proceedings of the 2012 IEEE Congress on Evolutionary Computation* (Li, X., ed.). Brisbane, Australia.
- [Al-Sahaf et al.(2012)Al-Sahaf, Song, Neshatian & Zhang] Al-Sahaf, H., Song, A., Neshatian, K. & Zhang, M. (2012). Extracting image features for classification by two-tier genetic programming. In: Proceedings of the 2012 IEEE Congress on Evolutionary Computation (Li, X., ed.). Brisbane, Australia.
- [Alam et al.(2012a)Alam, Gillian, Riddle & Koh] Alam, S., Gillian, D., Riddle, P. & Koh, Y. S. (2012a). Hierarchical PSO clustering based recommender system. In: Proceedings of the 2012 IEEE Congress on Evolutionary Computation (Li, X., ed.). Brisbane, Australia.
- [Alam et al.(2012b)Alam, Lokan & Abbass] Alam, S., Lokan, C. & Abbass, H. (2012b). What can make an airspace unsafe? characterizing collision risk using multi-objective optimization. In: Proceedings of the 2012 IEEE Congress on Evolutionary Computation (Li, X., ed.). Brisbane, Australia.
- [Albaity et al.(2012) Albaity, Meshoul & Kaban] Albaity, H., Meshoul, S. & Kaban, A. (2012). On extending quantum behaved particle swarm optimization to multiobjective context. In: Proceedings of the 2012 IEEE Congress on Evolutionary Computation (Li, X., ed.). Brisbane, Australia.
- [Albukhanajer et al.(2012) Albukhanajer, Jin, Briffa & Williams] Albukhanajer, W., Jin, Y., Briffa, J. & Williams, G. (2012). Evolutionary multi-objective optimization of trace transform for invariant feature extraction. In: Proceedings of the 2012 IEEE Congress on Evolutionary Computation (Li, X., ed.). Brisbane, Australia.
- [Aleti et al.(2012)Aleti, Moser & Mostaghim] Aleti, A., Moser, I. & Mostaghim, S. (2012). Adaptive range parameter control. In: Proceedings of the 2012 IEEE Congress on Evolutionary Computation (Li, X., ed.). Brisbane, Australia.
- [Alghamdi et al.(2012)Alghamdi, Tang & Alshomrani] Alghamdi, H., Tang, L. & Alshomrani, S. (2012). Hybrid ACO and TOFA feature selection approach for text classification. In: *Proceedings of the 2012 IEEE Congress on Evolutionary Computation* (Li, X., ed.). Brisbane, Australia.
- [Ali et al.(2012)Ali, Salhieh & Reynolds] Ali, M., Salhieh, A. & Reynolds, R. (2012). Sociocultural evolution via neighborhood restructuring in intricate multi-layered networks. In: Proceedings of the 2012 IEEE Congress on Evolutionary Computation (Li, X., ed.). Brisbane, Australia.

- [Almakhlafi & Knowles(2012)] Almakhlafi, A. & Knowles, J. (2012). Benchmarks for maintenance scheduling problems in power generation. In: *Proceedings of the 2012 IEEE Congress on Evolutionary Computation* (Li, X., ed.). Brisbane, Australia.
- [Alsheddy & Kampouridis(2012)] Alsheddy, A. & Kampouridis, M. (2012). Off-line parameter tuning for guided local search using genetic programming. In: *Proceedings of the 2012 IEEE Congress on Evolutionary Computation* (Li, X., ed.). Brisbane, Australia.
- [Alvares et al.(2012) Alvares, Buarque & Marwala] Alvares, M., Buarque, F. & Marwala, T. (2012). Optimizing risk management using NSGA-II. In: Proceedings of the 2012 IEEE Congress on Evolutionary Computation (LI, X., ed.). Brisbane, Australia.
- [Amaral & Hruschka(2012)] Amaral, L. & Hruschka, E. (2012). Never-ending learning principles in gene ontology classification using genetic algorithms. In: *Proceedings of the 2012 IEEE Congress on Evolutionary Computation* (Li, X., ed.). Brisbane, Australia.
- [Anh et al.(2012)Anh, Luis & Francisco] Anh, H. T., Luis, M. P. & Francisco, C. S. (2012). Intention recognition, commitment and the evolution of cooperation. In: *Proceedings of the 2012 IEEE Congress on Evolutionary Computation* (Li, X., ed.). Brisbane, Australia.
- [Arias-Montano et al.(2012)Arias-Montano, Coello Coello & Mezura-Montes] Arias-Montano, A., Coello Coello, C. A. & Mezura-Montes, E. (2012). Multi-objective airfoil shape optimization using a multiple-surrogate approach. In: Proceedings of the 2012 IEEE Congress on Evolutionary Computation (Li, X., ed.). Brisbane, Australia.
- [Asafuddoula et al.(2012)Asafuddoula, Ray, Sarker & Alam] Asafuddoula, M., Ray, T., Sarker, R. & Alam, K. (2012). An adaptive constraint handling approach embedded MOEA/D. In: Proceedings of the 2012 IEEE Congress on Evolutionary Computation (Li, X., ed.). Brisbane, Australia.
- [Ashlock & Ashlock(2012)] ASHLOCK, D. & ASHLOCK, W. (2012). Impact of regulatory genes on optimization behavior. In: *Proceedings of the 2012 IEEE Congress on Evolutionary Computation* (LI, X., ed.). Brisbane, Australia.
- [Ashlock & McNicholas(2012)] ASHLOCK, D. & McNicholas, S. (2012). Single parent generalization of cellular automata rules. In: *Proceedings of the 2012 IEEE Congress on Evolutionary Computation* (LI, X., ed.). Brisbane, Australia.
- [Atyabi et al.(2012a)Atyabi, Luerssen, Fitzgibbon & Powers] ATYABI, A., LUERSSEN, M., FITZGIBBON, S. P. & POWERS, D. M. W. (2012a). Adapting subject-independent task-specific EEG feature masks using PSO. In: Proceedings of the 2012 IEEE Congress on Evolutionary Computation (LI, X., ed.). Brisbane, Australia.
- [Atyabi et al.(2012b)Atyabi, Luerssen, Fitzgibbon & Powers] ATYABI, A., LUERSSEN, M., FITZGIBBON, S. P. & POWERS, D. M. W. (2012b). Dimension reduction in EEG data using particle swarm optimization. In: *Proceedings of the 2012 IEEE Congress on Evolutionary Computation* (LI, X., ed.). Brisbane, Australia.
- [Atyabi et al.(2012c)Atyabi, Luerssen, Fitzgibbon & Powers] ATYABI, A., LUERSSEN, M., FITZGIBBON, S. P. & POWERS, D. M. W. (2012c). Evolutionary feature selection and electrode reduction for EEG classification. In: *Proceedings of the 2012 IEEE Congress on Evolutionary Computation* (LI, X., ed.). Brisbane, Australia.
- [Au & Leung(2012)] Au, C.-K. & Leung, H.-F. (2012). Eigenspace sampling in the mirrored variant of (1,lambda)-CMA-ES. In: *Proceedings of the 2012 IEEE Congress on Evolutionary Computation* (Li, X., ed.). Brisbane, Australia.
- [Avasarala & Bonissone(2012)] AVASARALA, V. & BONISSONE, P. (2012). iPresage: An innovative patent landscaping tool. In: *Proceedings of the 2012 IEEE Congress on Evolutionary Computation* (LI, X., ed.). Brisbane, Australia.

- [Balazs & Koczy(2012)] Balazs, K. & Koczy, L. T. (2012). Hybrid bacterial iterated greedy heuristics for the permutation flow shop problem. In: *Proceedings of the 2012 IEEE Congress on Evolutionary Computation* (Li, X., ed.). Brisbane, Australia.
- [Balcar et al.(2012)Balcar, Pilat & Neruda] Balcar, S., Pilat, M. & Neruda, R. (2012). An evolutionary algorithm for 2D semi-guillotinable circular saw cutting. In: *Proceedings of the 2012 IEEE Congress on Evolutionary Computation* (Li, X., ed.). Brisbane, Australia.
- [Bansal et al.(2012)Bansal, Srivastava & Srivastava] Bansal, R., Srivastava, K. & Srivastava, S. (2012). A hybrid evolutionary algorithm for the cutwidth minimization problem. In: *Proceedings of the 2012 IEEE Congress on Evolutionary Computation* (Li, X., ed.). Brisbane, Australia.
- [Barmada et al.(2012)Barmada, Raugi & Tucci] Barmada, S., Raugi, M. & Tucci, M. (2012). Global optimization algorithm based on self-organizing centroids. In: *Proceedings of the 2012 IEEE Congress on Evolutionary Computation* (Li, X., ed.). Brisbane, Australia.
- [Bashir & Neville(2012a)] Bashir, H. & Neville, R. (2012a). Convergence measurement in evolutionary computation using Price's theorem. In: *Proceedings of the 2012 IEEE Congress on Evolutionary Computation* (Li, X., ed.). Brisbane, Australia.
- [Bashir & Neville(2012b)] Bashir, H. & Neville, R. (2012b). A hybrid evolutionary computation algorithm for global optimization. In: *Proceedings of the 2012 IEEE Congress on Evolutionary Computation* (Li, X., ed.). Brisbane, Australia.
- [Baydin & de Mantaras(2012)] BAYDIN, A. G. & DE MANTARAS, R. L. (2012). Evolution of ideas: A novel memetic algorithm based on semantic networks. In: *Proceedings of the 2012 IEEE Congress on Evolutionary Computation* (LI, X., ed.). Brisbane, Australia.
- [Beer et al.(2012)Beer, Hendtlass & Montgomery] Beer, C., Hendtlass, T. & Montgomery, J. (2012). Improving exploration in ant colony optimisation with antennation. In: Proceedings of the 2012 IEEE Congress on Evolutionary Computation (Li, X., ed.). Brisbane, Australia.
- [Benedicic et al.(2012)Benedicic, Stular & Korosec] Benedicic, L., Stular, M. & Korosec, P. (2012). Balancing downlink and uplink soft-handover areas in UMTS networks. In: Proceedings of the 2012 IEEE Congress on Evolutionary Computation (Li, X., ed.). Brisbane, Australia.
- [Bhowmik et al.(2012)Bhowmik, Rakshit, Konar, Kim & Nagar] BHOWMIK, P., RAKSHIT, P., KONAR, A., KIM, E. & NAGAR, A. K. (2012). DE-TDQL: An adaptive memetic algorithm. In: Proceedings of the 2012 IEEE Congress on Evolutionary Computation (Li, X., ed.). Brisbane, Australia.
- [Bidlo & Vasicek(2012)] Bidlo, M. & Vasicek, Z. (2012). Evolution of cellular automata using instruction-based approach. In: *Proceedings of the 2012 IEEE Congress on Evolutionary Computation* (Li, X., ed.). Brisbane, Australia.
- [Bodas-Sagi et al.(2012)Bodas-Sagi, Soltero, Hidalgo, Fernandez-Blanco & de Vega] Bodas-Sagi, D., Soltero, F. J., Hidalgo, J. I., Fernandez-Blanco, P. & de Vega, F. F. (2012). 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 (Li, X., ed.). Brisbane, Australia.
- [Bonyadi & Michalewicz(2012)] Bonyadi, M. R. & Michalewicz, Z. (2012). A fast particle swarm optimization algorithm for the multidimensional knapsack problem. In: *Proceedings of the 2012 IEEE Congress on Evolutionary Computation* (Li, X., ed.). Brisbane, Australia.
- [Borges et al.(2012)Borges, Ferrari & de Castro] Borges, E., Ferrari, D. G. & de Castro, L. N. (2012). Silhouette-based clustering using an immune network. In: Proceedings of the 2012 IEEE Congress on Evolutionary Computation (Li, X., ed.). Brisbane, Australia.
- [Brabazon et al.(2012)Brabazon, Silva & O'Neill] Brabazon, A., Silva, A. & O'Neill, M. (2012). Optimal patent design: An agent-based approach. In: Proceedings of the 2012 IEEE Congress on Evolutionary Computation (Li, X., ed.). Brisbane, Australia.

- [Brest et al.(2012)Brest, Boskovic, Zamuda, Fister & Maucec] Brest, J., Boskovic, B., Zamuda, A., Fister, I. & Maucec, M. S. (2012). Self-adaptive differential evolution algorithm with a small and varying population size. In: Proceedings of the 2012 IEEE Congress on Evolutionary Computation (Li, X., ed.). Brisbane, Australia.
- [Britto & Pozo(2012)] Britto, A. & Pozo, A. (2012). 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* (Li, X., ed.). Brisbane, Australia.
- [Britto et al.(2012)Britto, Neto, Rabelo, Ayala & Soares] Britto, R., Neto, P. S., Rabelo, R., Ayala, W. & Soares, T. (2012). A hybrid approach to solve the agile team allocation problem. In: Proceedings of the 2012 IEEE Congress on Evolutionary Computation (Li, X., ed.). Brisbane, Australia.
- [Bruck et al.(2012)Bruck, Santos & Arroyo] Bruck, B., Santos, A. & Arroyo, J. (2012). Hybrid metaheuristic for the single vehicle routing problem with deliveries and selective pickups. In: Proceedings of the 2012 IEEE Congress on Evolutionary Computation (Li, X., ed.). Brisbane, Australia.
- [Bui et al.(2012)Bui, Bender & Abbass] Bui, V., Bender, A. & Abbass, H. (2012). An expressive GL-2 grammar for representing story-like scenarios. In: Proceedings of the 2012 IEEE Congress on Evolutionary Computation (Li, X., ed.). Brisbane, Australia.
- [Buijs et al.(2012)Buijs, van Dongen & van der Aals] Buijs, J., van Dongen, B. & van der Aals, W. (2012). A genetic algorithm for discovering process trees. In: Proceedings of the 2012 IEEE Congress on Evolutionary Computation (Li, X., ed.). Brisbane, Australia.
- [Bukhtoyarov & Semenkin(2012)] BUKHTOYAROV, V. & SEMENKIN, E. (2012). Neural networks ensemble approach for detecting attacks in computer networks. In: *Proceedings of the 2012 IEEE Congress on Evolutionary Computation* (LI, X., ed.). Brisbane, Australia.
- [Caamano et al.(2012)Caamano, Bellas, Becerra, Diaz & Duro] Caamano, P., Bellas, F., Becerra, J. A., Diaz, V. & Duro, R. J. (2012). Experimental analysis of the relevance of fitness landscape topographical characterization. In: *Proceedings of the 2012 IEEE Congress on Evolutionary Computation* (Li, X., ed.). Brisbane, Australia.
- [Cai et al.(2012)Cai, Hu, Das & Welch] CAI, X., Hu, Z., DAS, S. & Welch, S. (2012). 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 (LI, X., ed.). Brisbane, Australia.
- [Campomanes-Alvarez et al.(2012)Campomanes-Alvarez, Damas & Cordon] CAMPOMANES-ALVAREZ, B. R., DAMAS, S. & CORDON, O. (2012). Mesh simplification for 3D modeling using evolutionary multi-objective optimization. In: *Proceedings of the 2012 IEEE Congress on Evolutionary Computation* (LI, X., ed.). Brisbane, Australia.
- [Cancino et al.(2012)Cancino, Boukhelifa & Lutton] CANCINO, W., BOUKHELIFA, N. & LUTTON, E. (2012). EvoGraphDice: Interactive evolution for visual analytics. In: Proceedings of the 2012 IEEE Congress on Evolutionary Computation (LI, X., ed.). Brisbane, Australia.
- [Cao et al.(2012)Cao, Recknagel & Orr] CAO, H., RECKNAGEL, F. & ORR, P. T. (2012). The experimental study of population-based parameter optimization algorithms on rule-based ecological modelling. In: *Proceedings of the 2012 IEEE Congress on Evolutionary Computation* (Li, X., ed.). Brisbane, Australia.
- [Carraro & de Castro(2012)] Carraro, L. A. & DE Castro, L. N. (2012). A clonal selection algorithm to minimize reshuffling in container stacking operations. In: *Proceedings of the 2012 IEEE Congress on Evolutionary Computation* (Li, X., ed.). Brisbane, Australia.

- [Castle & Johnson(2012)] Castle, T. & Johnson, C. (2012). Evolving program trees with limited scope variable declarations. In: *Proceedings of the 2012 IEEE Congress on Evolutionary Computation* (Li, X., ed.). Brisbane, Australia.
- [Cepeda et al.(2012)Cepeda, Rueda & Erlich] CEPEDA, J., RUEDA, J. & ERLICH, I. (2012). Identification of dynamic equivalents based on heuristic optimization for smart grid applications. In: Proceedings of the 2012 IEEE Congress on Evolutionary Computation (LI, X., ed.). Brisbane, Australia.
- [Cervante et al.(2012)Cervante, Xue, Zhang & Shang] CERVANTE, L., XUE, B., ZHANG, M. & SHANG, L. (2012). Binary particle swarm optimisation for feature selection: A filter based approach. In: Proceedings of the 2012 IEEE Congress on Evolutionary Computation (LI, X., ed.). Brisbane, Australia.
- [Chaari et al.(2012)Chaari, Koubaa, Bennaceur, Trigui & Al-Shalfan] Chaari, I., Koubaa, A., Bennaceur, H., Trigui, S. & Al-Shalfan, K. (2012). smartPATH: A hybrid ACO-GA algorithm for robot path planning. In: Proceedings of the 2012 IEEE Congress on Evolutionary Computation (Li, X., ed.). Brisbane, Australia.
- [Chakraborty et al.(2012)Chakraborty, Das & Abbott] Chakraborty, U., Das, S. & Abbott, T. (2012). Energy-efficient routing in hierarchical wireless sensor networks using differential-evolution-based memetic algorithm. In: Proceedings of the 2012 IEEE Congress on Evolutionary Computation (Li, X., ed.). Brisbane, Australia.
- [Chan et al.(2012)Chan, Ling, Nguyen & Jiang] Chan, K. Y., Ling, S. H., Nguyen, H. & Jiang, F. (2012). A hypoglycemic episode diagnosis system based on neural networks for type 1 diabetes mellitus. In: Proceedings of the 2012 IEEE Congress on Evolutionary Computation (Li, X., ed.). Brisbane, Australia.
- [Chang et al.(2012)Chang, Chin, Teo & Mountstephens] Chang, K. T., Chin, K. O., Teo, J. & Mountstephens, J. (2012). Game AI generation using evolutionary multi-objective optimization. In: *Proceedings of the 2012 IEEE Congress on Evolutionary Computation* (Li, X., ed.). Brisbane, Australia.
- [Chen et al.(2012a)Chen, Liang & Liu] Chen, A. H.-L., Liang, Y.-C. & Liu, C.-C. (2012a). An artificial bee colony algorithm for the cardinality-constrained portfolio optimization problems. In: Proceedings of the 2012 IEEE Congress on Evolutionary Computation (Li, X., ed.). Brisbane, Australia.
- [Chen et al.(2012b)Chen, Tsai & Yang] Chen, J.-L., Tsai, C.-W. & Yang, C.-S. (2012b). An improved LGA for protein-ligand docking prediction. In: Proceedings of the 2012 IEEE Congress on Evolutionary Computation (Li, X., ed.). Brisbane, Australia.
- [Chen & Wang(2012)] Chen, M.-L. & Wang, F.-S. (2012). 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* (Li, X., ed.). Brisbane, Australia.
- [Chen(2012)] Chen, S. (2012). Particle swarm optimization with pbest crossover. In: *Proceedings of the 2012 IEEE Congress on Evolutionary Computation* (Li, X., ed.). Brisbane, Australia.
- [Chen et al.(2012c)Chen, Xudiera & Montgomery] Chen, S., Xudiera, C. & Montgomery, J. (2012c). Simulated annealing with thresheld convergence. In: Proceedings of the 2012 IEEE Congress on Evolutionary Computation (Li, X., ed.). Brisbane, Australia.
- [Chen & Gostoli(2012)] Chen, S.-H. & Gostoli, U. (2012). 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* (Li, X., ed.). Brisbane, Australia.

- [Cheng et al.(2012a)Cheng, Yao, Xue & Shen] Cheng, R., Yao, M., Xue, X. & Shen, B. (2012a). Bisexual evolution: A novel bisexual evolutionary framework based on the fisher's runaway process. In: *Proceedings of the 2012 IEEE Congress on Evolutionary Computation* (Li, X., ed.). Brisbane, Australia.
- [Cheng et al.(2012b)Cheng, Shi & Qin] Cheng, S., Shi, Y. & Qin, Q. (2012b). Dynamical exploitation space reduction in particle swarm optimization for solving large scale problems. In: *Proceedings of the 2012 IEEE Congress on Evolutionary Computation* (Li, X., ed.). Brisbane, Australia.
- [Cheng et al.(2012c)Cheng, Shi & Qin] Cheng, S., Shi, Y. & Qin, Q. (2012c). Particle swarm optimization based semi-supervised learning on chinese text categorization. In: Proceedings of the 2012 IEEE Congress on Evolutionary Computation (Li, X., ed.). Brisbane, Australia.
- [Cheng et al.(2012d)Cheng, Shi & Qin] Cheng, S., Shi, Y. & Qin, Q. (2012d). Population diversity based study on search information propagation in particle swarm optimization. In: *Proceedings of the 2012 IEEE Congress on Evolutionary Computation* (Li, X., ed.). Brisbane, Australia.
- [Cheung et al.(2012)Cheung, Valdes & Li] Cheung, C., Valdes, J. J. & Li, M. (2012). Use of evolutionary computation techniques for exploration and prediction of helicopter loads. In: *Proceedings of the 2012 IEEE Congress on Evolutionary Computation* (Li, X., ed.). Brisbane, Australia.
- [Chikumbo et al.(2012)Chikumbo, Goodman & Deb] Chikumbo, O., Goodman, E. & Deb, K. (2012). 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 (Li, X., ed.). Brisbane, Australia.
- [Chiong & Kirley(2012)] CHIONG, R. & KIRLEY, M. (2012). The evolution of cooperation via stigmergic interactions. In: *Proceedings of the 2012 IEEE Congress on Evolutionary Computation* (LI, X., ed.). Brisbane, Australia.
- [Chira et al.(2012)Chira, Gog & Iclanzan] Chira, C., Gog, A. & Iclanzan, D. (2012). Evolutionary detection of community structures in complex networks: a new fitness function. In: Proceedings of the 2012 IEEE Congress on Evolutionary Computation (Li, X., ed.). Brisbane, Australia.
- [Ch'ng & Teo(2012)] Ch'ng, S. H. & Teo, J. (2012). Online evolution of offensive strategies in real-time strategy gaming. In: *Proceedings of the 2012 IEEE Congress on Evolutionary Computation* (Li, X., ed.). Brisbane, Australia.
- [Chow & Yuen(2012)] Chow, C. K. & Yuen, S. Y. (2012). Continuous non-revisiting genetic algorithm with overlapped search sub-region. In: *Proceedings of the 2012 IEEE Congress on Evolutionary Computation* (Li, X., ed.). Brisbane, Australia.
- [Chowdhury et al.(2012)Chowdhury, Chetty & Vinh] CHOWDHURY, A., CHETTY, M. & VINH, N. (2012). Adaptive regulatory genes cardinality for reconstructing genetic networks. In: Proceedings of the 2012 IEEE Congress on Evolutionary Computation (Li, X., ed.). Brisbane, Australia.
- [Ciesielski et al.(2012)Ciesielski, Lam & Nguyen] CIESIELSKI, V., LAM, B. & NGUYEN, M. L. (2012). Comparison of evolutionary and conventional feature extraction methods for malt classification. In: Proceedings of the 2012 IEEE Congress on Evolutionary Computation (LI, X., ed.). Brisbane, Australia.
- [Coelho et al.(2012)Coelho, Wanner, Souza, Carrano & Purshouse] Coelho, D. G., Wanner, E. F., Souza, S. R., Carrano, E. G. & Purshouse, R. C. (2012). A multiobjective evolutionary algorithm for the 2D guillotine strip packing problem. In: *Proceedings of the 2012 IEEE Congress on Evolutionary Computation* (Li, X., ed.). Brisbane, Australia.

- [Conesa-Munoz et al.(2012)Conesa-Munoz, Ribeiro, Andujar, Fernandez-Quintanilla & Dorado] Conesa-Munoz, J., Ribeiro, A., Andujar, D., Fernandez-Quintanilla, C. & Dorado, J. (2012). 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 (Li, X., ed.). Brisbane, Australia.
- [Conti et al.(2012)Conti, Roisenberg & Neto] Conti, C. R., Roisenberg, M. & Neto, G. S. (2012). Acor-v an algorithm that incorporates the visibility heuristic to the ACO in continuous domain. In: Proceedings of the 2012 IEEE Congress on Evolutionary Computation (Li, X., ed.). Brisbane, Australia.
- [Couckuyt et al.(2012)Couckuyt, Deschrijver & Dhaene] COUCKUYT, I., DESCHRIJVER, D. & DHAENE, T. (2012). Towards efficient multiobjective optimization: Multiobjective statistical criterions. In: *Proceedings of the 2012 IEEE Congress on Evolutionary Computation* (LI, X., ed.). Brisbane, Australia.
- [Cussat-Blanc et al.(2012)Cussat-Blanc, Sanchez & Duthen] Cussat-Blanc, S., Sanchez, S. & Duthen, Y. (2012). Simultaneous cooperative and conflicting behaviors handled by a gene regulatory network. In: *Proceedings of the 2012 IEEE Congress on Evolutionary Computation* (Li, X., ed.). Brisbane, Australia.
- [Dahlstedt(2012)] Dahlstedt, P. (2012). Turn-based evolution as a proposed implementation of artistic creative process. In: *Proceedings of the 2012 IEEE Congress on Evolutionary Computation* (Li, X., ed.). Brisbane, Australia.
- [Daniels et al.(2012)Daniels, Corns & Cudney] Daniels, B., Corns, S. & Cudney, E. (2012). A comparison of representations for the prediction of ground-level ozone concentration. In: *Proceedings of the 2012 IEEE Congress on Evolutionary Computation* (Li, X., ed.). Brisbane, Australia.
- [Dao et al.(2012)Dao, Quang Uy Nguyen, Xuan Hoai Nguyen & McKay] Dao, N. P., Quang Uy Nguyen, Xuan Hoai Nguyen & McKay, R. I. B. (2012). Evolving approximations for the Gaussian Q-function by genetic programming with semantic based crossover. In: Proceedings of the 2012 IEEE Congress on Evolutionary Computation (LI, X., ed.). Brisbane, Australia.
- [Datta et al.(2012)Datta, Bittermann, Deb & Ciftcioglu] DATTA, R., BITTERMANN, M. S., DEB, K. & CIFTCIOGLU, O. (2012). Probabilistic constraint handling in the framework of joint evolutionary-classical optimization with engineering applications. In: Proceedings of the 2012 IEEE Congress on Evolutionary Computation (Li, X., ed.). Brisbane, Australia.
- [Datta & Deb(2012)] DATTA, R. & DEB, K. (2012). 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* (LI, X., ed.). Brisbane, Australia.
- [de Armas et al.(2012)de Armas, Gonzalez, Miranda & Leon] DE ARMAS, J., GONZALEZ, Y., MIRANDA, G. & LEON, C. (2012). Parallelization of the multi-objective container loading problem. In: *Proceedings of the 2012 IEEE Congress on Evolutionary Computation* (Li, X., ed.). Brisbane, Australia.
- [De Weerdt et al.(2012)De Weerdt, vanden Broucke, Vanthienen & Baesens] DE WEERDT, J., VANDEN BROUCKE, S., VANTHIENEN, J. & BAESENS, B. (2012). 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 (LI, X., ed.). Brisbane, Australia.
- [Deb & Jain(2012)] DEB, K. & JAIN, H. (2012). Handling many-objective problems using an improved NSGA-II procedure. In: *Proceedings of the 2012 IEEE Congress on Evolutionary Computation* (Li, X., ed.). Brisbane, Australia.

- [Deep et al.(2012a)Deep, Chauhan & Pant] Deep, K., Chauhan, P. & Pant, M. (2012a). 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 (Li, X., ed.). Brisbane, Australia.
- [Deep et al.(2012b)Deep, Chauhan & Pant] Deep, K., Chauhan, P. & Pant, M. (2012b). Totally disturbed chaotic particle swarm optimization. In: *Proceedings of the 2012 IEEE Congress on Evolutionary Computation* (Li, X., ed.). Brisbane, Australia.
- [Dias & Pacheco(2012)] Dias, D. & Pacheco, M. A. (2012). Describing quantum-inspired linear genetic programming from symbolic regression problems. In: *Proceedings of the 2012 IEEE Congress on Evolutionary Computation* (Li, X., ed.). Brisbane, Australia.
- [Dick(2012)] DICK, G. (2012). Niche allocation in spatially-structured evolutionary algorithms with gradients. In: *Proceedings of the 2012 IEEE Congress on Evolutionary Computation* (Li, X., ed.). Brisbane, Australia.
- [Dorronsoro & Bouvry(2012)] DORRONSORO, B. & BOUVRY, P. (2012). Study of different small-world topology generation mechanisms for genetic algorithms. In: *Proceedings of the 2012 IEEE Congress on Evolutionary Computation* (LI, X., ed.). Brisbane, Australia.
- [Dower(2012)] DOWER, S. (2012). Automatic implementation of evolutionary algorithms on GPUs using ESDL. In: *Proceedings of the 2012 IEEE Congress on Evolutionary Computation* (LI, X., ed.). Brisbane, Australia.
- [Dridi et al.(2012)Dridi, Krichen & Guitouni] Dridi, O., Krichen, S. & Guitouni, A. (2012). A multi-objective optimization approach for resource assignment and task scheduling problem: Application to maritime domain awareness. In: Proceedings of the 2012 IEEE Congress on Evolutionary Computation (Li, X., ed.). Brisbane, Australia.
- [Duhain & Engelbrecht(2012)] Duhain, J. & Engelbrecht, A. (2012). Towards a more complete classification system for dynamically changing environments. In: *Proceedings of the 2012 IEEE Congress on Evolutionary Computation* (Li, X., ed.). Brisbane, Australia.
- [Duma et al.(2012)Duma, Twala, Marwala & Nelwamondo] Duma, M., Twala, B., Marwala, T. & Nelwamondo, F. (2012). Classification with missing data using multi-layered artificial immune systems. In: *Proceedings of the 2012 IEEE Congress on Evolutionary Computation* (Li, X., ed.). Brisbane, Australia.
- [El-Abd(2012)] EL-ABD, M. (2012). Generalized opposition-based artificial bee colony algorithm. In: Proceedings of the 2012 IEEE Congress on Evolutionary Computation (Li, X., ed.). Brisbane, Australia.
- [El-Abd & Kamel(2012)] EL-Abd, M. & Kamel, M. (2012). Particle swarm optimization with adaptive bounds. In: *Proceedings of the 2012 IEEE Congress on Evolutionary Computation* (Li, X., ed.). Brisbane, Australia.
- [El-Bouri(2012)] EL-Bouri, A. (2012). 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* (LI, X., ed.). Brisbane, Australia.
- [Elsayed et al.(2012a)Elsayed, Sarker & Essam] Elsayed, S., Sarker, R. & Essam, D. (2012a). Memetic multi-topology particle swarm optimizer for constrained optimization. In: Proceedings of the 2012 IEEE Congress on Evolutionary Computation (Li, X., ed.). Brisbane, Australia.
- [Elsayed et al.(2012b)Elsayed, Sarker & Ray] Elsayed, S., Sarker, R. & Ray, T. (2012b). Parameters adaptation in differential evolution. In: Proceedings of the 2012 IEEE Congress on Evolutionary Computation (Li, X., ed.). Brisbane, Australia.
- [Engelbrecht(2012)] ENGELBRECHT, A. (2012). Particle swarm optimization: Velocity initialization. In: *Proceedings of the 2012 IEEE Congress on Evolutionary Computation* (Li, X., ed.). Brisbane, Australia.

- [Epitropakis et al.(2012a)Epitropakis, Plagianakos & Vrahatis] EPITROPAKIS, M., PLAGIANAKOS, V. & VRAHATIS, M. (2012a). Multimodal optimization using niching differential evolution with index-based neighborhoods. In: Proceedings of the 2012 IEEE Congress on Evolutionary Computation (LI, X., ed.). Brisbane, Australia.
- [Epitropakis et al.(2012b)Epitropakis, Tasoulis, Pavlidis, Plagianakos & Vrahatis] Epitropakis, M., Tasoulis, D., Pavlidis, N., Plagianakos, V. & Vrahatis, M. (2012b). Tracking particle swarm optimizers: An adaptive approach through multinomial distribution tracking with exponential forgetting. In: Proceedings of the 2012 IEEE Congress on Evolutionary Computation (Li, X., ed.). Brisbane, Australia.
- [Ernst & Singh(2012)] Ernst, A. & Singh, G. (2012). Lagrangian particle swarm optimization for a resource constrained machine scheduling problem. In: *Proceedings of the 2012 IEEE Congress on Evolutionary Computation* (Li, X., ed.). Brisbane, Australia.
- [Esteves et al.(2012)Esteves, Sousa, Silva, Povoa & Gomes] Esteves, V. M., Sousa, J. M., Silva, C. A., Povoa, A. P. B. & Gomes, M. I. (2012). Scant-design: Closed loop supply chain design using ant colony optimization. In: Proceedings of the 2012 IEEE Congress on Evolutionary Computation (Li, X., ed.). Brisbane, Australia.
- [Faccioli et al.(2012)Faccioli, Nunes da Silva, Bortot & Delbem] FACCIOLI, R., NUNES DA SILVA, I., BORTOT, L. & DELBEM, A. (2012). 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 (LI, X., ed.). Brisbane, Australia.
- [Fajfar(2012)] FAJFAR, I. (2012). Selection strategies and random perturbations in differential evolution. In: *Proceedings of the 2012 IEEE Congress on Evolutionary Computation* (LI, X., ed.). Brisbane, Australia.
- [Falcon & Abielmona(2012)] FALCON, R. & ABIELMONA, R. (2012). A response-aware risk management framework for search-and-rescue operations. In: *Proceedings of the 2012 IEEE Congress on Evolutionary Computation* (LI, X., ed.). Brisbane, Australia.
- [Fang et al.(2012a)Fang, Sun, Wu, Xu & Vasile] Fang, W., Sun, J., Wu, X., Xu, W. & Vasile, P. (2012a). Study on the compression-expansion coefficient in drift particle swarm optimization. In: Proceedings of the 2012 IEEE Congress on Evolutionary Computation (Li, X., ed.). Brisbane, Australia.
- [Fang et al.(2012b)Fang, Koceja, Zhan, Dozier & Dipankar] Fang, X., Koceja, N., Zhan, J., Dozier, G. & Dipankar, D. (2012b). An artificial immune system for phishing detection. In: Proceedings of the 2012 IEEE Congress on Evolutionary Computation (Li, X., ed.). Brisbane, Australia.
- [Feng et al.(2012)Feng, Ong, Tsang & Tan] Feng, L., Ong, Y. S., Tsang, I. & Tan, A. H. (2012). An evolutionary search paradigm that learns with past experiences. In: *Proceedings of the 2012 IEEE Congress on Evolutionary Computation* (Li, X., ed.). Brisbane, Australia.
- [Feng & Song(2012)] FENG, X. & SONG, A. (2012). Evolving frame splitters by genetic programming. In: Proceedings of the 2012 IEEE Congress on Evolutionary Computation (LI, X., ed.). Brisbane, Australia.
- [Ficici et al.(2012)Ficici, Liu & Fogel] FICICI, S. G., LIU, E. & FOGEL, G. B. (2012). Evolutionary algorithms for supertree search. In: *Proceedings of the 2012 IEEE Congress on Evolutionary Computation* (LI, X., ed.). Brisbane, Australia.
- [Filipic & Lorencin(2012)] FILIPIC, B. & LORENCIN, I. (2012). Evolutionary multiobjective design of an alternative energy supply system. In: *Proceedings of the 2012 IEEE Congress on Evolutionary Computation* (LI, X., ed.). Brisbane, Australia.

- [Fister et al.(2012)Fister, Fister, Jr., Brest & Zumer] FISTER, I., FISTER, JR., I., BREST, J. & ZUMER, V. (2012). Memetic artificial bee colony algorithm for large-scale global optimization. In: Proceedings of the 2012 IEEE Congress on Evolutionary Computation (LI, X., ed.). Brisbane, Australia.
- [Fonseca et al.(2012)Fonseca, Barbosa & Lemonge] FONSECA, L., BARBOSA, H. & LEMONGE, A. (2012). A study on fitness inheritance for enhanced efficiency in real-coded genetic algorithms. In: Proceedings of the 2012 IEEE Congress on Evolutionary Computation (LI, X., ed.). Brisbane, Australia.
- [Forghany et al.(2012)Forghany, Davarynejad & Snaar-Jagalska] FORGHANY, Z., DAVARYNEJAD, M. & SNAAR-JAGALSKA, E. (2012). Gene regulatory network model identification using artificial bee colony and swarm intelligence. In: Proceedings of the 2012 IEEE Congress on Evolutionary Computation (LI, X., ed.). Brisbane, Australia.
- [Fu et al.(2012a)Fu, Sendhoff, Tang & Yao] Fu, H., Sendhoff, B., Tang, K. & Yao, X. (2012a). Characterizing environmental changes in robust optimization over time. In: Proceedings of the 2012 IEEE Congress on Evolutionary Computation (Li, X., ed.). Brisbane, Australia.
- [Fu et al.(2012b)Fu, Johnston & Zhang] Fu, W., Johnston, M. & Zhang, M. (2012b). Genetic programming for edge detection via balancing individual training images. In: Proceedings of the 2012 IEEE Congress on Evolutionary Computation (Li, X., ed.). Brisbane, Australia.
- [Fu et al.(2012c)Fu, Johnston & Zhang] Fu, W., Johnston, M. & Zhang, M. (2012c). Soft edge maps from edge detectors evolved by genetic programming. In: Proceedings of the 2012 IEEE Congress on Evolutionary Computation (Li, X., ed.). Brisbane, Australia.
- [Gagne & Zinflou(2012)] GAGNE, C. & ZINFLOU, A. (2012). An hybrid algorithm for the industrial car sequecing problem. In: *Proceedings of the 2012 IEEE Congress on Evolutionary Computation* (LI, X., ed.). Brisbane, Australia.
- [Gagne & Congdon(2012)] GAGNE, D. J. & CONGDON, C. B. (2012). Preliminary results for GAMMI: Genetic algorithms for motif-module inference. In: *Proceedings of the 2012 IEEE Congress on Evolutionary Computation* (LI, X., ed.). Brisbane, Australia.
- [Gao et al.(2012)Gao, Suganthan & Bao] GAO, K., SUGANTHAN, P. N. & BAO, Z. (2012). A composite heuristic for the no-wait flow shop scheduling. In: Proceedings of the 2012 IEEE Congress on Evolutionary Computation (LI, X., ed.). Brisbane, Australia.
- [Ghosh et al.(2012a)Ghosh, Chowdhury, Sinha, Vasilakos & Das] Ghosh, A., Chowdhury, A., Sinha, S., Vasilakos, A. V. & Das, S. (2012a). A genetic lbest PSO with dynamically varying subswarm topology. In: *Proceedings of the 2012 IEEE Congress on Evolutionary Computation* (Li, X., ed.). Brisbane, Australia.
- [Ghosh et al.(2012b)Ghosh, Ghosh, Chowdhury, Konar, Kim & Nagar] Ghosh, A., Ghosh, A., Chowdhury, A., Konar, A., Kim, E. & Nagar, A. K. (2012b). 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 (Li, X., ed.). Brisbane, Australia.
- [Goh et al.(2012)Goh, Tang, Peto & Saleh] Goh, J., Tang, L., Peto, T. & Saleh, G. (2012). An evolutionary approach for determining hidden markov model for medical image analysis. In: *Proceedings of the 2012 IEEE Congress on Evolutionary Computation* (Li, X., ed.). Brisbane, Australia.
- [Gong et al.(2012a)Gong, Yang, Sun & Li] Gong, D., Yang, L., Sun, X. & Li, M. (2012a). Applying knowledge of users with similar preference to construct surrogate models of IGAs. In: Proceedings of the 2012 IEEE Congress on Evolutionary Computation (Li, X., ed.). Brisbane, Australia.

- [Gong et al.(2012b)Gong, Cai, Li & Ma] Gong, M., Cai, Q., Li, Y. & Ma, J. (2012b). An improved memetic algorithm for community detection in complex networks. In: Proceedings of the 2012 IEEE Congress on Evolutionary Computation (Li, X., ed.). Brisbane, Australia.
- [Gong & Shuai(2012)] Gong, T. & Shuai, L. (2012). A cross-model study on the effect of power-laws on language evolution. In: *Proceedings of the 2012 IEEE Congress on Evolutionary Computation* (Li, X., ed.). Brisbane, Australia.
- [Greenwood & Ashlock(2012)] GREENWOOD, G. & ASHLOCK, D. (2012). Evolutionary games and the study of cooperation: Why has so little progress been made? In: *Proceedings of the 2012 IEEE Congress on Evolutionary Computation* (LI, X., ed.). Brisbane, Australia.
- [Grobler et al.(2012)Grobler, Engelbrecht, Kendall & Yadavalli] Grobler, J., Engelbrecht, A. P., Kendall, G. & Yadavalli, S. (2012). Investigating the use of local search for improving meta-hyper-heuristic performance. In: Proceedings of the 2012 IEEE Congress on Evolutionary Computation (Li, X., ed.). Brisbane, Australia.
- [Gruenewald et al.(2012)Gruenewald, Hardt, Mielke & Brueck] GRUENEWALD, A., HARDT, S., MIELKE, M. & BRUECK, R. (2012). A decentralized charge management for electric vehicles using a genetic algorithm. In: Proceedings of the 2012 IEEE Congress on Evolutionary Computation (LI, X., ed.). Brisbane, Australia.
- [guan Wang et al.(2012)guan Wang, biao Ling, Zhang & ping Wang] Guan Wang, W., Biao Ling, Y., Zhang, J. & Ping Wang, Y. (2012). Ant colony optimization algorithm for analog filter design. In: Proceedings of the 2012 IEEE Congress on Evolutionary Computation (Li, X., ed.). Brisbane, Australia.
- [Guderian et al.(2012a)Guderian, Schaffer & Fettweis] Guderian, F., Schaffer, R. & Fettweis, G. (2012a). 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 (LI, X., ed.). Brisbane, Australia.
- [Guderian et al.(2012b)Guderian, Schaffer & Fettweis] Guderian, F., Schaffer, R. & Fettweis, G. (2012b). Dimensioning the heterogeneous multicluster architecture via parallelism analysis and evolutionary computing. In: *Proceedings of the 2012 IEEE Congress on Evolutionary Computation* (Li, X., ed.). Brisbane, Australia.
- [Gunnersen et al.(2012)Gunnersen, Smith-Miles & Lee] Gunnersen, S., Smith-Miles, K. & Lee, V. (2012). Towards objective data selection in bankruptcy prediction. In: Proceedings of the 2012 IEEE Congress on Evolutionary Computation (Li, X., ed.). Brisbane, Australia.
- [Guo et al.(2012)Guo, neng Chen & Zhang] Guo, Y., Neng Chen, W. & Zhang, J. (2012). Enhancing the performance of evolutionary algorithms—a novel maturity-based adaptation strategy. In: *Proceedings of the 2012 IEEE Congress on Evolutionary Computation* (Li, X., ed.). Brisbane, Australia.
- [Hadka et al.(2012)Hadka, Reed & Simpson] HADKA, D., REED, P. & SIMPSON, T. (2012). Diagnostic assessment of the Borg MOEA for many-objective product family design problems. In: Proceedings of the 2012 IEEE Congress on Evolutionary Computation (LI, X., ed.). Brisbane, Australia.
- [Hamza et al.(2012)Hamza, Sarker & Essam] Hamza, N., Sarker, R. & Essam, D. (2012). 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 (Li, X., ed.). Brisbane, Australia.
- [Hanada et al.(2012)Hanada, Hosokawa, Ono & Muneyasu] Hanada, Y., Hosokawa, N., Ono, K. & Muneyasu, M. (2012). Effectiveness of multi-step crossover fusions in genetic programming. In: Proceedings of the 2012 IEEE Congress on Evolutionary Computation (Li, X., ed.). Brisbane, Australia.

- [Hancer et al.(2012)Hancer, Ozturk & Karaboga] HANCER, E., OZTURK, C. & KARABOGA, D. (2012). Artificial bee colony based image clustering. In: Proceedings of the 2012 IEEE Congress on Evolutionary Computation (LI, X., ed.). Brisbane, Australia.
- [Handa(2012)] HANDA, H. (2012). Use of graph kernels in estimation of distribution algorithms. In: Proceedings of the 2012 IEEE Congress on Evolutionary Computation (Li, X., ed.). Brisbane, Australia.
- [Hanif & Smith(2012)] HANIF, A. & SMITH, R. (2012). Generation path-switching in sequential Monte-Carlo methods. In: *Proceedings of the 2012 IEEE Congress on Evolutionary Computation* (LI, X., ed.). Brisbane, Australia.
- [Hardhienata et al.(2012)Hardhienata, Merrick & Ugrinovskii] Hardhienata, M., Merrick, K. & Ugrinovskii, V. (2012). Task allocation in multi-agent systems using models of motivation and leadership. In: Proceedings of the 2012 IEEE Congress on Evolutionary Computation (Li, X., ed.). Brisbane, Australia.
- [Haynes et al.(2012)Haynes, Corns & Venayagamoorthy] Haynes, D., Corns, S. & Venayagamoorthy, G. (2012). An exponential moving average algorithm: Evolutionary algorithms applied to sudoku puzzles. In: Proceedings of the 2012 IEEE Congress on Evolutionary Computation (Li, X., ed.). Brisbane, Australia.
- [He & Yen(2012)] HE, Z. & YEN, G. (2012). A new fitness evaluation method based on fuzzy logic in multiobjective evolutionary algorithms. In: *Proceedings of the 2012 IEEE Congress on Evolutionary Computation* (LI, X., ed.). Brisbane, Australia.
- [Helbig & Engelbrecht(2012)] Helbig, M. & Engelbrecht, A. (2012). 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* (Li, X., ed.). Brisbane, Australia.
- [Hendtlass(2012)] HENDTLASS, T. (2012). Restarting particle swarm optimisation. In: *Proceedings of the 2012 IEEE Congress on Evolutionary Computation* (LI, X., ed.). Brisbane, Australia.
- [Herbawi & Weber(2012a)] HERBAWI, W. & WEBER, M. (2012a). A genetic local search algorithm for multiobjective time-dependent route planning. In: *Proceedings of the 2012 IEEE Congress on Evolutionary Computation* (LI, X., ed.). Brisbane, Australia.
- [Herbawi & Weber(2012b)] HERBAWI, W. & WEBER, M. (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* (LI, X., ed.). Brisbane, Australia.
- [Higgs et al.(2012)Higgs, Stantic, Hoque & Sattar] Higgs, T., Stantic, B., Hoque, T. & Sattar, A. (2012). Refining genetic algorithm twin removal for high-resolution protein structure prediction. In: *Proceedings of the 2012 IEEE Congress on Evolutionary Computation* (Li, X., ed.). Brisbane, Australia.
- [Hingston et al.(2012)Hingston, Masek & Beard] HINGSTON, P., MASEK, M. & BEARD, D. (2012). Using Monte Carlo tree search for replanning in a multistage simultaneous game. In: Proceedings of the 2012 IEEE Congress on Evolutionary Computation (LI, X., ed.). Brisbane, Australia.
- [Hong et al.(2012)Hong, Lin & Chen] Hong, T.-P., Lin, F.-S. & Chen, C.-H. (2012). Using the group genetic algorithm for attribute clustering. In: Proceedings of the 2012 IEEE Congress on Evolutionary Computation (Li, X., ed.). Brisbane, Australia.
- [Hsiao et al.(2012a)Hsiao, Chiang & Fu] Hsiao, P.-C., Chiang, T.-C. & Fu, L.-C. (2012a). Particle swarm optimization for the minimum energy broadcast problem in wireless ad-hoc networks. In: *Proceedings of the 2012 IEEE Congress on Evolutionary Computation* (Li, X., ed.). Brisbane, Australia.

- [Hsiao et al.(2012b)Hsiao, Chiang & Fu] Hsiao, P.-C., Chiang, T.-C. & Fu, L.-C. (2012b). A VNS-based hyper-heuristic with adaptive computational budget of local search. In: *Proceedings of the 2012 IEEE Congress on Evolutionary Computation* (Li, X., ed.). Brisbane, Australia.
- [Hsu & Chiang(2012)] Hsu, W.-H. & Chiang, T.-C. (2012). 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* (Li, X., ed.). Brisbane, Australia.
- [Huang et al.(2012a)Huang, Xu, Deng, Venkataramanan & Tuong] Huang, D., Xu, J.-X., Deng, X., Venkataramanan, V. & Tuong, H. T. C. (2012a). 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 (Li, X., ed.). Brisbane, Australia.
- [Huang et al.(2012b)Huang, Ong & Chen] Huang, H. E., Ong, Y.-S. & Chen, X. (2012b). Autonomous flock brush for non-photorealistic rendering. In: Proceedings of the 2012 IEEE Congress on Evolutionary Computation (Li, X., ed.). Brisbane, Australia.
- [Hui & Suganthan(2012)] Hui, S. & Suganthan, P. N. (2012). Ensemble differential evolution with dynamic subpopulations and adaptive clearing for solving dynamic optimization problems. In: *Proceedings of the 2012 IEEE Congress on Evolutionary Computation* (Li, X., ed.). Brisbane, Australia.
- [hui Zhan et al.(2012)hui Zhan, Zhang, hui Shi & Hai-lin] Hui Zhan, Z., Zhang, J., Hui Shi, Y. & Hai-lin, L. (2012). A modified brain storm optimization. In: Proceedings of the 2012 IEEE Congress on Evolutionary Computation (Li, X., ed.). Brisbane, Australia.
- [Hunt et al.(2012)Hunt, Neshatian & Zhang] Hunt, R., Neshatian, K. & Zhang, M. (2012). Scalability analysis of genetic programming classifiers. In: Proceedings of the 2012 IEEE Congress on Evolutionary Computation (Li, X., ed.). Brisbane, Australia.
- [Huo et al.(2012a)Huo, Lien, Yu & Sun] Huo, C.-L., Lien, Y.-S., Yu, Y.-H. & Sun, T.-Y. (2012a). Effectively multi-swarm sharing management for differential evolution. In: Proceedings of the 2012 IEEE Congress on Evolutionary Computation (Li, X., ed.). Brisbane, Australia.
- [Huo et al.(2012b)Huo, Lin, Lai, Lien & Sun] Huo, C.-L., Lin, S.-Y., Lai, T.-Y., Lien, Y.-S. & Sun, T.-Y. (2012b). Multi-objective differential evolution with taguchi-based adjustable proportional distribution. In: *Proceedings of the 2012 IEEE Congress on Evolutionary Computation* (Li, X., ed.). Brisbane, Australia.
- [Hussein & Petering(2012)] Hussein, M. & Petering, M. (2012). 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* (Li, X., ed.). Brisbane, Australia.
- [Iclanzan & Chira(2012)] Iclanzan, D. & Chira, C. (2012). Modeling and replicating higher-order dependencies in genetic algorithms. In: *Proceedings of the 2012 IEEE Congress on Evolutionary Computation* (Li, X., ed.). Brisbane, Australia.
- [Ishibuchi et al.(2012a)Ishibuchi, Hoshino & Nojima] Ishibuchi, H., Hoshino, K. & Nojima, Y. (2012a). 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 (Li, X., ed.). Brisbane, Australia.
- [Ishibuchi et al.(2012b)Ishibuchi, Hoshino & Nojima] Ishibuchi, H., Hoshino, K. & Nojima, Y. (2012b). 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* (Li, X., ed.). Brisbane, Australia.

- [Izadinia & Ebadzadeh(2012)] Izadinia, H. & Ebadzadeh, M. M. (2012). Adaptive quantum-inspired evolution strategy. In: *Proceedings of the 2012 IEEE Congress on Evolutionary Computation* (Li, X., ed.). Brisbane, Australia.
- [Jaros(2012)] JAROS, J. (2012). Multi-GPU island-based genetic algorithm for solving the knapsack problem. In: *Proceedings of the 2012 IEEE Congress on Evolutionary Computation* (Li, X., ed.). Brisbane, Australia.
- [Jati et al.(2012)Jati, Singh, Rakshit, Konar, Kim & Nagar] Jati, A., Singh, G., Rakshit, P., Konar, A., Kim, E. & Nagar, A. K. (2012). A hybridisation of improved harmony search and bacterial foraging for multi-robot motion planning. In: Proceedings of the 2012 IEEE Congress on Evolutionary Computation (Li, X., ed.). Brisbane, Australia.
- [Jevne et al.(2012)Jevne, Haddow & Gaivoronski] Jevne, H., Haddow, P. & Gaivoronski, A. (2012). Evolving constrained mean-VaR efficient frontiers. In: Proceedings of the 2012 IEEE Congress on Evolutionary Computation (Li, X., ed.). Brisbane, Australia.
- [Ji et al.(2012)Ji, Tian, Zhu & He] Ji, Z., Tian, T., Zhu, Z. & He, S. (2012). A memory binary particle swarm optimization. In: Proceedings of the 2012 IEEE Congress on Evolutionary Computation (Li, X., ed.). Brisbane, Australia.
- [Jianchao & Min(2012)] JIANCHAO, F. & MIN, H. (2012). Nonliear model predictive control of ball-plate system based on gaussian particle swarm optimization. In: *Proceedings of the 2012 IEEE Congress on Evolutionary Computation* (LI, X., ed.). Brisbane, Australia.
- [Jiang et al.(2012)Jiang, Tsai, Hao & Cao] Jiang, Y., Tsai, P., Hao, Z. & Cao, L. (2012). A novel auto-parameters selection process for image segmentation. In: *Proceedings of the 2012 IEEE Congress on Evolutionary Computation* (Li, X., ed.). Brisbane, Australia.
- [jiao Gong & Zhang(2012)] JIAO GONG, Y. & ZHANG, J. (2012). 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* (LI, X., ed.). Brisbane, Australia.
- [Jin & Liang(2012)] Jin, Q. & Liang, Z. (2012). A naive particle swarm optimization. In: *Proceedings* of the 2012 IEEE Congress on Evolutionary Computation (Li, X., ed.). Brisbane, Australia.
- [Johnson(2012)] Johnson, C. (2012). Search-based evolutionary operators for extensionally-defined search spaces: Applications to image search. In: *Proceedings of the 2012 IEEE Congress on Evolutionary Computation* (Li, X., ed.). Brisbane, Australia.
- [Jones et al.(2012)Jones, Lovell, Gunn, Morgan & Zauner] Jones, G., Lovell, C., Gunn, S., Morgan, H. & Zauner, K.-P. (2012). Enabling the discovery of computational characteristics of enzyme dynamics. In: *Proceedings of the 2012 IEEE Congress on Evolutionary Computation* (Li, X., ed.). Brisbane, Australia.
- [Jordan & Kroeger(2012)] JORDAN, C. D. & KROEGER, T. (2012). An evolutionary algorithm for bilevel optimisation of men's team pursuit track cycling. In: *Proceedings of the 2012 IEEE Congress on Evolutionary Computation* (LI, X., ed.). Brisbane, Australia.
- [Juan et al.(2012)Juan, Han-wu, Zhihao, Yue & Wanning] Juan, X., Han-wu, C., Zhihao, L., Yue, R. & Wanning, Z. (2012). Quantum secret sharing without exclusive OR of qubits' measuring results. In: *Proceedings of the 2012 IEEE Congress on Evolutionary Computation* (Li, X., ed.). Brisbane, Australia.
- [Junior et al.(2012)Junior, Britto & Pozo] Junior, O. C., Britto, A. & Pozo, A. (2012). A comparison of methods for leader selection in many-objective problems. In: *Proceedings of the 2012 IEEE Congress on Evolutionary Computation* (Li, X., ed.). Brisbane, Australia.
- [Kafafy et al.(2012)Kafafy, Bounekkar & Bonnevay] KAFAFY, A., BOUNEKKAR, A. & BONNEVAY, S. (2012). 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 (Li, X., ed.). Brisbane, Australia.

- [Kampouridis et al.(2012)Kampouridis, Glover, Shaghaghi & Tsang] Kampouridis, M., Glover, T., Shaghaghi, A. R. & Tsang, E. (2012). 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 (Li, X., ed.). Brisbane, Australia.
- [Karabulut & Tasgetiren(2012)] KARABULUT, K. & TASGETIREN, M. F. (2012). A discrete artificial bee colony algorithm for the traveling salesman problem with time windows. In: *Proceedings of the 2012 IEEE Congress on Evolutionary Computation* (Li, X., ed.). Brisbane, Australia.
- [Kattan & Galvan(2012)] KATTAN, A. & GALVAN, E. (2012). Evolving radial basis function networks via GP for estimating fitness values using surrogate models. In: *Proceedings of the 2012 IEEE Congress on Evolutionary Computation* (LI, X., ed.). Brisbane, Australia.
- [Kelly et al.(2012)Kelly, Lichodzijewski & Heywood] Kelly, S., Lichodzijewski, P. & Heywood, M. I. (2012). On run time libraries and hierarchical symbiosis. In: Proceedings of the 2012 IEEE Congress on Evolutionary Computation (Li, X., ed.). Brisbane, Australia.
- [Khadem et al. (2012)Khadem, Chan & Dillon] Khadem, S., Chan, K. Y. & Dillon, T. (2012). Optimization of neural network configurations for short-term traffic flow forecasting using orthogonal design. In: Proceedings of the 2012 IEEE Congress on Evolutionary Computation (Li, X., ed.). Brisbane, Australia.
- [Kim et al.(2012)Kim, McKay & Nguyen Xuan Hoai] Kim, K., McKay, B. R. & Nguyen Xuan Hoai (2012). 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 (Li, X., ed.). Brisbane, Australia.
- [Knittel(2012)] KNITTEL, A. (2012). Learning feature hierarchies under reinforcement. In: *Proceedings* of the 2012 IEEE Congress on Evolutionary Computation (Li, X., ed.). Brisbane, Australia.
- [Ko et al.(2012)Ko, Reddy, Kumar, Garg, Bailey & Hadaegh] Ko, G. M., Reddy, A. S., Kumar, S., Garg, R., Bailey, B. A. & Hadaegh, A. R. (2012). 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 (Li, X., ed.). Brisbane, Australia.
- [Koloseni et al.(2012)Koloseni, Lampinen & Luukka] Koloseni, D., Lampinen, J. & Luukka, P. (2012). Differential evolution classifier with optimized distance measures from a pool of distances. In: Proceedings of the 2012 IEEE Congress on Evolutionary Computation (Li, X., ed.). Brisbane, Australia.
- [Korosec & Silc(2012)] KOROSEC, P. & SILC, J. (2012). The continuous differential ant-stigmergy algorithm applied to dynamic optimization problems. In: *Proceedings of the 2012 IEEE Congress on Evolutionary Computation* (LI, X., ed.). Brisbane, Australia.
- [Kou et al.(2012)Kou, Xiong, Fang, Zong & Bian] Kou, J., Xiong, S., Fang, Z., Zong, X. & Bian, F. (2012). 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 (Li, X., ed.). Brisbane, Australia.
- [Kovarik & Kordik(2012)] KOVARIK, O. & KORDIK, P. (2012). Max-min ant system with linear memory complexity. In: *Proceedings of the 2012 IEEE Congress on Evolutionary Computation* (LI, X., ed.). Brisbane, Australia.
- [Kroetz et al.(2012)Kroetz, Centeno, Delgado, Dorini, Fylyk, Vieira, Lucas & Felisberto] Kroetz, M., Centeno, T., Delgado, M., Dorini, L., Fylyk, V., Vieira, A., Lucas, L. & Felisberto, M. (2012). Genetic algorithms to automatic weld bead detection in double wall double image digital radiographs. In: Proceedings of the 2012 IEEE Congress on Evolutionary Computation (Li, X., ed.). Brisbane, Australia.

- [Kromer et al.(2012)Kromer, Snasel, Platos, Kudelka & Horak] Kromer, P., Snasel, V., Platos, J., Kudelka, M. & Horak, Z. (2012). An ACO inspired weighting approach for the spectral partitioning of co-authorship networks. In: *Proceedings of the 2012 IEEE Congress on Evolutionary Computation* (Li, X., ed.). Brisbane, Australia.
- [Kudo & Yoshikawa(2012)] Kudo, F. & Yoshikawa, T. (2012). Knowledge extraction in multiobjective optimization problem based on visualization of pareto solutions. In: *Proceedings of the* 2012 IEEE Congress on Evolutionary Computation (Li, X., ed.). Brisbane, Australia.
- [Kumar & Pant(2012)] Kumar, P. & Pant, M. (2012). Enhanced mutation strategy for differential evolution. In: *Proceedings of the 2012 IEEE Congress on Evolutionary Computation* (Li, X., ed.). Brisbane, Australia.
- [Lacroix et al.(2012)Lacroix, Molina & Herrera] LACROIX, B., MOLINA, D. & HERRERA, F. (2012). Region based memetic algorithm with LS chaining. In: *Proceedings of the 2012 IEEE Congress on Evolutionary Computation* (LI, X., ed.). Brisbane, Australia.
- [Lakshika et al.(2012)Lakshika, Barlow & Easton] Lakshika, E., Barlow, M. & Easton, A. (2012). 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 (Li, X., ed.). Brisbane, Australia.
- [Lam et al.(2012)Lam, Li & Wei] LAM, A. Y., LI, V. O. & WEI, Z. (2012). Chemical reaction optimization for the fuzzy rule learning problem. In: Proceedings of the 2012 IEEE Congress on Evolutionary Computation (LI, X., ed.). Brisbane, Australia.
- [LaTorre et al.(2012)LaTorre, Muelas & Pena] LATORRE, A., MUELAS, S. & PENA, J.-M. (2012). Multiple offspring sampling in large scale global optimization. In: *Proceedings of the 2012 IEEE Congress on Evolutionary Computation* (LI, X., ed.). Brisbane, Australia.
- [Lattarulo & Parks(2012)] Lattarulo, V. & Parks, G. T. (2012). A preliminary study of a new multi-objective optimization algorithm. In: *Proceedings of the 2012 IEEE Congress on Evolutionary Computation* (Li, X., ed.). Brisbane, Australia.
- [Le et al.(2012)Le, Ong, Menzel, Seah & Sendhoff] Le, M. N., Ong, Y. S., Menzel, S., Seah, C.-W. & Sendhoff, B. (2012). Multi co-objective evolutionary optimization: Cross surrogate augmentation for computationally expensive problems. In: *Proceedings of the 2012 IEEE Congress on Evolutionary Computation* (Li, X., ed.). Brisbane, Australia.
- [Lee et al.(2012a)Lee, Gonzalez, Jacques & Bugeda] Lee, D., Gonzalez, L. F., Jacques, P. & Bugeda, G. (2012a). Multi-objective design optimization of morphing UAV aerofoil/wing using hybridised MOGA. In: *Proceedings of the 2012 IEEE Congress on Evolutionary Computation* (Li, X., ed.). Brisbane, Australia.
- [Lee et al.(2012b)Lee, An & Oh] Lee, L.-K., An, S.-Y. & Oh, S.-Y. (2012b). 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* (Li, X., ed.). Brisbane, Australia.
- [Lee & Cho(2012)] Lee, M.-C. & Cho, S.-B. (2012). Interactive differential evolution for image enhancement application in smart phone. In: *Proceedings of the 2012 IEEE Congress on Evolutionary Computation* (Li, X., ed.). Brisbane, Australia.
- [Legillon et al.(2012)Legillon, Liefooghe & Talbi] LEGILLON, F., LIEFOOGHE, A. & TALBI, E.-G. (2012). CoBRA: A cooperative coevolutionary algorithm for bi-level optimization. In: Proceedings of the 2012 IEEE Congress on Evolutionary Computation (Li, X., ed.). Brisbane, Australia.
- [Lehmann & Menzel(2012)] LEHMANN, H. & MENZEL, S. (2012). Evolvability as concept for the optimal design of free-form deformation control volumes. In: *Proceedings of the 2012 IEEE Congress on Evolutionary Computation* (LI, X., ed.). Brisbane, Australia.

- [Leitao et al.(2012)Leitao, Pereira & Machado] Leitao, A., Pereira, F. B. & Machado, P. (2012). Enhancing cluster geometry optimization with island models. In: *Proceedings of the 2012 IEEE Congress on Evolutionary Computation* (Li, X., ed.). Brisbane, Australia.
- [Lemonge et al.(2012)Lemonge, Barbosa & Bernardino] Lemonge, A., Barbosa, H. & Bernardino, H. (2012). A family of adaptive penalty schemes for steady-state genetic algorithms. In: *Proceedings of the 2012 IEEE Congress on Evolutionary Computation* (Li, X., ed.). Brisbane, Australia.
- [Lepagnot et al.(2012)Lepagnot, Nakib, Oulhadj & Siarry] Lepagnot, J., Nakib, A., Oulhadj, H. & Siarry, P. (2012). A dynamic multi-agent algorithm applied to challenging benchmark problems. In: *Proceedings of the 2012 IEEE Congress on Evolutionary Computation* (Li, X., ed.). Brisbane, Australia.
- [Leung et al.(2012)Leung, Zhang & Yuen] Leung, S. W., Zhang, X. & Yuen, S. Y. (2012). Multiobjective differential evolution algorithm with opposition-based parameter control. In: Proceedings of the 2012 IEEE Congress on Evolutionary Computation (Li, X., ed.). Brisbane, Australia.
- [Li et al.(2012a)Li, Li, Mabu & Hirasawa] Li, B., Li, X., Mabu, S. & Hirasawa, K. (2012a). Towards automatic discovery and reuse of subroutines in variable size genetic network programming. In: Proceedings of the 2012 IEEE Congress on Evolutionary Computation (Li, X., ed.). Brisbane, Australia.
- [Li et al.(2012b)Li, Yang & Yang] Li, C., Yang, S. & Yang, M. (2012b). Maintaining diversity by clustering in dynamic environments. In: Proceedings of the 2012 IEEE Congress on Evolutionary Computation (Li, X., ed.). Brisbane, Australia.
- [Li et al.(2012c)Li, Li, Mabu & Hirasawa] Li, X., Li, B., Mabu, S. & Hirasawa, K. (2012c). A continuous estimation of distribution algorithm by evolving graph structures using reinforcement learning. In: Proceedings of the 2012 IEEE Congress on Evolutionary Computation (Li, X., ed.). Brisbane, Australia.
- [Li et al.(2012d)Li, Chen, Liu & Wu] Li, Y., Chen, J., Liu, R. & Wu, J. (2012d). A spectral clustering-based adaptive hybrid multi-objective harmony search algorithm for community detection. In: Proceedings of the 2012 IEEE Congress on Evolutionary Computation (Li, X., ed.). Brisbane, Australia.
- [Li & Guo(2012)] Li, Y. & Guo, M. (2012). Phase transition and new fitness function based genetic inductive loigc programming algorithm. In: *Proceedings of the 2012 IEEE Congress on Evolutionary Computation* (Li, X., ed.). Brisbane, Australia.
- [Li et al.(2012e)Li, Shang, Liang & Niu] Li, Z., Shang, Z., Liang, J. J. & Niu, B. (2012e). An improved differential evolution for constrained optimization with dynamic constraint-handling mechanism. In: Proceedings of the 2012 IEEE Congress on Evolutionary Computation (Li, X., ed.). Brisbane, Australia.
- [Liang et al.(2012a)Liang, Ma, Qu & Niu] LIANG, J. J., MA, S. T., Qu, B. Y. & Niu, B. (2012a). Strategy adaptative memetic crowding differential evolution for multimodal optimization. In: Proceedings of the 2012 IEEE Congress on Evolutionary Computation (LI, X., ed.). Brisbane, Australia.
- [Liang et al.(2012b)Liang, Qu, Suganthan & Niu] Liang, J. J., Qu, B., Suganthan, P. N. & Niu, B. (2012b). Dynamic multi-swarm particle swarm optimization for multi-objective optimization problems. In: *Proceedings of the 2012 IEEE Congress on Evolutionary Computation* (Li, X., ed.). Brisbane, Australia.
- [Liang et al.(2012c)Liang, X. B, Qu, Niu & Chen] Liang, J. J., X. B, M., Qu, B. Y., Niu, B. & Chen, T. J. (2012c). Elite multi-group differential evolution. In: Proceedings of the 2012 IEEE Congress on Evolutionary Computation (Li, X., ed.). Brisbane, Australia.

- [Liang & Juarez(2012)] LIANG, Y.-C. & JUAREZ, J. R. C. (2012). Multilevel image thresholding using relative entropy and virus optimization algorithm. In: *Proceedings of the 2012 IEEE Congress on Evolutionary Computation* (LI, X., ed.). Brisbane, Australia.
- [Liao & Ting(2012a)] Liao, C.-C. & Ting, C.-K. (2012a). Extending the lifetime of dynamic wireless sensor networks by genetic algorithm. In: *Proceedings of the 2012 IEEE Congress on Evolutionary Computation* (Li, X., ed.). Brisbane, Australia.
- [Liao & Ting(2012b)] Liao, X.-L. & Ting, C.-K. (2012b). Evolutionary algorithms using adaptive mutation for the selective pickup and delivery problem. In: *Proceedings of the 2012 IEEE Congress on Evolutionary Computation* (Li, X., ed.). Brisbane, Australia.
- [Lima et al.(2012)Lima, Carrano & Takahashi] Lima, M., Carrano, E. & Takahashi, R. (2012). Multiobjective planning of wireless local area networks (wlan) using genetic algorithms. In: Proceedings of the 2012 IEEE Congress on Evolutionary Computation (Li, X., ed.). Brisbane, Australia.
- [Lin & ping Chen(2012)] LIN, J.-Y. & PING CHEN, Y. (2012). When and what kind of memetic algorithms perform well. In: *Proceedings of the 2012 IEEE Congress on Evolutionary Computation* (LI, X., ed.). Brisbane, Australia.
- [Lin et al.(2012)Lin, Ji, Zhu & He] LIN, L., JI, Z., ZHU, Z. & HE, S. (2012). A crown jewel defense strategy based particle swarm optimization. In: Proceedings of the 2012 IEEE Congress on Evolutionary Computation (LI, X., ed.). Brisbane, Australia.
- [Ling et al.(2012)Ling, Nguyen, Leung, Chan & Jiang] Ling, S. H., Nguyen, H., Leung, F. H., Chan, K. Y. & Jiang, F. (2012). Intelligent fuzzy particle swarm optimization with cross-mutated operation. In: *Proceedings of the 2012 IEEE Congress on Evolutionary Computation* (Li, X., ed.). Brisbane, Australia.
- [Liu et al.(2012a)Liu, Zhang, Fernandez & Gielen] Liu, B., Zhang, Q., Fernandez, F. V. & Gielen, G. (2012a). 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 (Li, X., ed.). Brisbane, Australia.
- [Liu & Ting(2012)] Liu, C.-H. & Ting, C.-K. (2012). Polyphonic accompaniment using genetic algorithm with music theory. In: *Proceedings of the 2012 IEEE Congress on Evolutionary Computation* (Li, X., ed.). Brisbane, Australia.
- [Liu et al.(2012b)Liu, Chen & Gu] Liu, H.-L., Chen, W.-Q. & Gu, F. (2012b). A novel multiobjective differential evolutionary algorithm based sub-region search. In: Proceedings of the 2012 IEEE Congress on Evolutionary Computation (Li, X., ed.). Brisbane, Australia.
- [Liu & Zhong(2012)] Liu, J. & Zhong, W. (2012). Continuous game dynamics on populations with a cycle structure under weak selection. In: *Proceedings of the 2012 IEEE Congress on Evolutionary Computation* (Li, X., ed.). Brisbane, Australia.
- [Liu et al.(2012c)Liu, Hsu & Hung] Liu, J.-L., Hsu, Y.-T. & Hung, C.-L. (2012c). Development of evolutionary data mining algorithms and their applications to cardiac disease diagnosis. In: Proceedings of the 2012 IEEE Congress on Evolutionary Computation (Li, X., ed.). Brisbane, Australia.
- [Liu et al.(2012d)Liu, Liu & Li] Liu, R., Liu, Y. & Li, Y. (2012d). An improved method for multi-objective clustering ensemble algorithm. In: Proceedings of the 2012 IEEE Congress on Evolutionary Computation (Li, X., ed.). Brisbane, Australia.
- [Liu et al.(2012e)Liu, Wang, Li & Xiangrong] Liu, R., Wang, X., Li, Y. & Xiangrong, Z. (2012e). Multi-objective invasive weed optimization algorithm for clustering. In: Proceedings of the 2012 IEEE Congress on Evolutionary Computation (Li, X., ed.). Brisbane, Australia.

- [Liu et al.(2012f)Liu, Ji, Zhu & He] Liu, W., Ji, Z., Zhu, Z. & He, S. (2012f). Survival analysis of gene expression data using PSO based radial basis function networks. In: *Proceedings of the 2012 IEEE Congress on Evolutionary Computation* (Li, X., ed.). Brisbane, Australia.
- [Liu et al.(2012g)Liu, Chung & Yeh] Liu, Y., Chung, Y. Y. & Yeh, W. C. (2012g). Simplified swarm optimization with sorted local search for golf data classification. In: Proceedings of the 2012 IEEE Congress on Evolutionary Computation (Li, X., ed.). Brisbane, Australia.
- [Liu et al.(2012h)Liu, Chen, Xu, Li & Li] Liu, Z., Chen, H., Xu, J., Li, W. & Li, Z. (2012h). Deterministic secure quantum communication with mutual authentication based on bell measurement. In: Proceedings of the 2012 IEEE Congress on Evolutionary Computation (Li, X., ed.). Brisbane, Australia.
- [Logenthiran et al.(2012)Logenthiran, Dipti, Ashwin & Raj] LOGENTHIRAN, T., DIPTI, S., ASHWIN, M. K. & Raj, T. S. (2012). Optimal sizing of distributed energy resources for integrated microgrids using evolutionary strategy. In: Proceedings of the 2012 IEEE Congress on Evolutionary Computation (Li, X., ed.). Brisbane, Australia.
- [Lopez & de Antonio(2012)] LOPEZ, O. J. R. & DE ANTONIO, A. (2012). Evolving the way of doing the right thing. In: *Proceedings of the 2012 IEEE Congress on Evolutionary Computation* (LI, X., ed.). Brisbane, Australia.
- [Louzada et al.(2012)Louzada, Camilo-Junior, Vincenzi & Rodrigues] LOUZADA, J., CAMILO-JUNIOR, C., VINCENZI, A. & RODRIGUES, C. (2012). An elitist evolutionary algorithm for automatically generating test data. In: Proceedings of the 2012 IEEE Congress on Evolutionary Computation (LI, X., ed.). Brisbane, Australia.
- [Lu & Han(2012)] Lu, Q. & Han, Q.-L. (2012). A finite-time particle swarm optimization algorithm. In: Proceedings of the 2012 IEEE Congress on Evolutionary Computation (Li, X., ed.). Brisbane, Australia.
- [Ludwig(2012a)] Ludwig, S. (2012a). Clonal selection based genetic algorithm for workflow service selection. In: *Proceedings of the 2012 IEEE Congress on Evolutionary Computation* (Li, X., ed.). Brisbane, Australia.
- [Ludwig(2012b)] Ludwig, S. (2012b). Step-optimized particle swarm optimization. In: *Proceedings* of the 2012 IEEE Congress on Evolutionary Computation (Li, X., ed.). Brisbane, Australia.
- [Ma et al.(2012)Ma, Fei, Ding & Jin] Ma, H., Fei, M., Ding, Z. & Jin, J. (2012). Biogeography-based optimization with ensemble of migration models for global numerical optimization. In: Proceedings of the 2012 IEEE Congress on Evolutionary Computation (Li, X., ed.). Brisbane, Australia.
- [Maali & Al-Jumaily(2012)] Maali, Y. & Al-Jumaily, A. (2012). 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* (Li, X., ed.). Brisbane, Australia.
- [Macharet et al.(2012)Macharet, Neto, da Camara Neto & Campos] Macharet, D., Neto, A. A., DA CAMARA Neto, V. & Campos, M. (2012). Data gathering tour optimization for Dubins' vehicles. In: Proceedings of the 2012 IEEE Congress on Evolutionary Computation (Li, X., ed.). Brisbane, Australia.
- [Mahlmann et al. (2012) Mahlmann, Togelius & Yannakakis] Mahlmann, T., Togelius, J. & Yannakakis, G. N. (2012). Evolving card sets towards balancing dominion. In: Proceedings of the 2012 IEEE Congress on Evolutionary Computation (Li, X., ed.). Brisbane, Australia.
- [Maia et al.(2012)Maia, De Castro & Caminhas] MAIA, R., DE CASTRO, L. & CAMINHAS, W. (2012). Bee colonies as model for multimodal continuous optimization: The optbees algorithm. In: Proceedings of the 2012 IEEE Congress on Evolutionary Computation (LI, X., ed.). Brisbane, Australia.

- [Mallipeddi & Lee(2012a)] Mallipeddi, R. & Lee, M. (2012a). Ensemble based face recognition using discriminant PCA features. In: *Proceedings of the 2012 IEEE Congress on Evolutionary Computation* (Li, X., ed.). Brisbane, Australia.
- [Mallipeddi & Lee(2012b)] Mallipeddi, R. & Lee, M. (2012b). Surrogate model assisted ensemble differential evolution algorithm. In: *Proceedings of the 2012 IEEE Congress on Evolutionary Computation* (Li, X., ed.). Brisbane, Australia.
- [MartInez & Coello Coello (2012)] MartInez, S. Z. & Coello Coello, C. A. (2012). A direct local search mechanism for decomposition-based multi-objective evolutionary algorithms. In: Proceedings of the 2012 IEEE Congress on Evolutionary Computation (Li, X., ed.). Brisbane, Australia.
- [Matayoshi(2012)] MATAYOSHI, M. (2012). Landscape information extraction from chromosome based on a quality control approach. In: *Proceedings of the 2012 IEEE Congress on Evolutionary Computation* (LI, X., ed.). Brisbane, Australia.
- [Mavrovouniotis & Yang(2012)] MAVROVOUNIOTIS, M. & YANG, S. (2012). Ant colony optimization with memory-based immigrants for the dynamic vehicle routing problem. In: *Proceedings of the 2012 IEEE Congress on Evolutionary Computation* (LI, X., ed.). Brisbane, Australia.
- [McCarthy(2012)] McCarthy, P. (2012). Path-sharing: A new betweenness measure for community identification in networks. In: *Proceedings of the 2012 IEEE Congress on Evolutionary Computation* (LI, X., ed.). Brisbane, Australia.
- [Meiguins et al.(2012)Meiguins, Limao, Meiguins, Sousa Junior & Freitas] Meiguins, A. S. G., Limao, R. C., Meiguins, B. S., Sousa Junior, S. F. & Freitas, A. A. (2012). Autoclustering an estimation of distribution algorithm for the automatic generation of clustering algorithms. In: Proceedings of the 2012 IEEE Congress on Evolutionary Computation (Li, X., ed.). Brisbane, Australia.
- [Menchaca-Mendez & Coello Coello (2012)] Menchaca-Mendez, A. & Coello Coello, C. A. (2012). Solving multi-objective optimization problems using differential evolution and a maximin selection criterion. In: *Proceedings of the 2012 IEEE Congress on Evolutionary Computation* (Li, X., ed.). Brisbane, Australia.
- [Meng & Hongliang(2012)] MENG, Y. & HONGLIANG, G. (2012). A gene regulatory network based framework for self-organization in mobile sensor networks. In: *Proceedings of the 2012 IEEE Congress on Evolutionary Computation* (LI, X., ed.). Brisbane, Australia.
- [Merelo Guervos et al.(2012)Merelo Guervos, Mora, Cruz Almaguer, Esparcia-Alcazar & Cotta] Merelo Guervos, J.-J., Mora, A. M., Cruz Almaguer, J. A., Esparcia-Alcazar, A. I. & Cotta, C. (2012). Scaling in distributed evolutionary algorithms with persistent population. In: Proceedings of the 2012 IEEE Congress on Evolutionary Computation (Li, X., ed.). Brisbane, Australia.
- [Mezura-Montes & Lopez-Davila(2012)] Mezura-Montes, E. & Lopez-Davila, E. A. (2012). Adaptation and local search in the modified bacterial foraging algorithm for constrained optimization. In: *Proceedings of the 2012 IEEE Congress on Evolutionary Computation* (Li, X., ed.). Brisbane, Australia.
- [Mishra & Gallagher(2012)] MISHRA, K. & GALLAGHER, M. (2012). Variable screening for reduced dependency modelling in gaussian-based continuous estimation of distribution algorithms. In: *Proceedings of the 2012 IEEE Congress on Evolutionary Computation* (LI, X., ed.). Brisbane, Australia.
- [Mitavskiy & He(2012)] MITAVSKIY, B. & HE, J. (2012). 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* (LI, X., ed.). Brisbane, Australia.

- [Mohammadi et al.(2012)Mohammadi, Omidvar & Li] Mohammadi, A., Omidvar, M. N. & Li, X. (2012). Reference point based multi-objective optimization through decomposition. In: Proceedings of the 2012 IEEE Congress on Evolutionary Computation (Li, X., ed.). Brisbane, Australia.
- [Montgomery & Chen(2012)] Montgomery, J. & Chen, S. (2012). A simple strategy for maintaining diversity and reducing crowding in differential evolution. In: *Proceedings of the 2012 IEEE Congress on Evolutionary Computation* (Li, X., ed.). Brisbane, Australia.
- [Moraglio et al. (2012) Moraglio, Otero, Johnson, Thompson & Freitas] MORAGLIO, A., OTERO, F., JOHNSON, C., THOMPSON, S. & FREITAS, A. (2012). Evolving recursive programs using non-recursive scaffolding. In: *Proceedings of the 2012 IEEE Congress on Evolutionary Computation* (LI, X., ed.). Brisbane, Australia.
- [Moser & Gheorghita(2012)] Moser, I. & Gheorghita, M. (2012). Combining search space diagnostics and optimisation. In: *Proceedings of the 2012 IEEE Congress on Evolutionary Computation* (Li, X., ed.). Brisbane, Australia.
- [Moubayed et al.(2012)Moubayed, hasan, Gan, Petrovski & McCall] Moubayed, N. A., Hasan, B. A. S., Gan, J. Q., Petrovski, A. & McCall, J. (2012). Continuous presentation for multi-objective channel selection in brain-computer interfaces. In: *Proceedings of the 2012 IEEE Congress on Evolutionary Computation* (Li, X., ed.). Brisbane, Australia.
- [Munoz et al.(2012)Munoz, Kirley & Halgamuge] Munoz, M. A., Kirley, M. & Halgamuge, S. (2012). Landscape characterization of numerical optimization problems using biased scattered data. In: Proceedings of the 2012 IEEE Congress on Evolutionary Computation (Li, X., ed.). Brisbane, Australia.
- [Murakami(2012)] Murakami, K. (2012). A genetic algorithm for probe testing problem on high-density PCB. In: *Proceedings of the 2012 IEEE Congress on Evolutionary Computation* (Li, X., ed.). Brisbane, Australia.
- [Mussetta et al.(2012a)Mussetta, Grimaccia & Zich] Mussetta, M., Grimaccia, F. & Zich, R. E. (2012a). Comparison of different optimization techniques for the design of electromagnetic devices. In: *Proceedings of the 2012 IEEE Congress on Evolutionary Computation* (Li, X., ed.). Brisbane, Australia.
- [Mussetta et al.(2012b)Mussetta, Shadmehr, Grimaccia, Gandelli & Zich] Mussetta, M., Shadmehr, H., Grimaccia, F., Gandelli, A. & Zich, R. (2012b). Optimization of a radio frequency energy harvesting device. In: Proceedings of the 2012 IEEE Congress on Evolutionary Computation (Li, X., ed.). Brisbane, Australia.
- [Nag & Pal(2012)] NAG, K. & PAL, T. (2012). A new archive based steady state genetic algorithm. In: Proceedings of the 2012 IEEE Congress on Evolutionary Computation (LI, X., ed.). Brisbane, Australia.
- [Nascimento & Vasconcelos(2012)] Nascimento, A. & Vasconcelos, G. (2012). An experimental investigation of artificial immune system algorithms for credit risk assessment applications. In: *Proceedings of the 2012 IEEE Congress on Evolutionary Computation* (Li, X., ed.). Brisbane, Australia.
- [Nasir et al.(2012)Nasir, Sengupta, Das & Suganthan] NASIR, M., SENGUPTA, S., DAS, S. & SUGANTHAN, P. N. (2012). 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 (LI, X., ed.). Brisbane, Australia.
- [Nazmul et al.(2012)Nazmul, Chetty, Samudrala & Chalmers] NAZMUL, R., CHETTY, M., SAMUDRALA, R. & CHALMERS, D. (2012). Protein structure prediction based on optimal hydrophobic core formation. In: *Proceedings of the 2012 IEEE Congress on Evolutionary Computation* (LI, X., ed.). Brisbane, Australia.

- [Neumann & Cairns(2012)] Neumann, G. & Cairns, D. (2012). Targeted EDA adapted for a routing problem with variable length chromosomes. In: *Proceedings of the 2012 IEEE Congress on Evolutionary Computation* (Li, X., ed.). Brisbane, Australia.
- [Ngoko et al.(2012)Ngoko, Goldman & Trystram] Ngoko, Y., Goldman, A. & Trystram, D. (2012). Malleable resource sharing algorithms for cooperative resolution of problems. In: Proceedings of the 2012 IEEE Congress on Evolutionary Computation (Li, X., ed.). Brisbane, Australia.
- [Nguyen & Wood(2012)] NGUYEN, H. & WOOD, I. (2012). 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* (LI, X., ed.). Brisbane, Australia.
- [Nguyen et al.(2012a)Nguyen, Kirley & Garcia-Flores] NGUYEN, M. V., KIRLEY, M. & GARCIA-FLORES, R. (2012a). Community evolution in a scientific collaboration network. In: Proceedings of the 2012 IEEE Congress on Evolutionary Computation (LI, X., ed.). Brisbane, Australia.
- [Nguyen et al.(2012b)Nguyen, Zhang, Johnston & Chen] NGUYEN, S., ZHANG, M., JOHNSTON, M. & CHEN, T. K. (2012b). 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 (LI, X., ed.). Brisbane, Australia.
- [Ni et al.(2012)Ni, Li, Qiao & Wu] NI, J., LI, L., QIAO, F. & WU, Q. (2012). A novel memetic algorithm based on the comprehensive learning PSO. In: Proceedings of the 2012 IEEE Congress on Evolutionary Computation (LI, X., ed.). Brisbane, Australia.
- [Nicolau et al.(2012)Nicolau, O'Neill & Brabazon] NICOLAU, M., O'NEILL, M. & BRABAZON, A. (2012). Termination in grammatical evolution: Grammar design, wrapping, and tails. In: Proceedings of the 2012 IEEE Congress on Evolutionary Computation (LI, X., ed.). Brisbane, Australia.
- [Nielsen et al.(2012)Nielsen, Dorronsoro, Danoy & Bouvry] Nielsen, S. S., Dorronsoro, B., Danoy, G. & Bouvry, P. (2012). Novel efficient asynchronous cooperative co-evolutionary multi-objective algorithms. In: Proceedings of the 2012 IEEE Congress on Evolutionary Computation (Li, X., ed.). Brisbane, Australia.
- [Nikumbh et al.(2012)Nikumbh, Ghosh & Jayaraman] Nikumbh, S., Ghosh, S. & Jayaraman, V. (2012). Biogeography-based informative gene selection and cancer classification using SVM and random forests. In: *Proceedings of the 2012 IEEE Congress on Evolutionary Computation* (Li, X., ed.). Brisbane, Australia.
- [Nitschke(2012)] Nitschke, G. (2012). Behavioral heterogeneity, cooperation, and collective construction. In: *Proceedings of the 2012 IEEE Congress on Evolutionary Computation* (Li, X., ed.). Brisbane, Australia.
- [Oliveira et al.(2012)Oliveira, Mota & Barone] OLIVEIRA, L. O., MOTA, R. L. & BARONE, D. A. (2012). Clonal selection classifier with data reduction: Classification as an optimization task. In: *Proceedings of the 2012 IEEE Congress on Evolutionary Computation* (LI, X., ed.). Brisbane, Australia.
- [Orito et al.(2012)Orito, Yamamoto & Tsujimura] Orito, Y., Yamamoto, H. & Tsujimura, Y. (2012). Equality constrained long-short portfolio replication by using probabilistic model-building GA. In: Proceedings of the 2012 IEEE Congress on Evolutionary Computation (Li, X., ed.). Brisbane, Australia.
- [Ortuno et al.(2012)Ortuno, Florido, Urquiza, Pomares, Prieto & Rojas] Ortuno, F., Florido, J. P., Urquiza, J. M., Pomares, H., Prieto, A. & Rojas, I. (2012). 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 (Li, X., ed.). Brisbane, Australia.

- [Ou & Ou(2012)] Ou, C.-M. & Ou, C. (2012). Immune memory with associativity: Perspectives on dynamical systems. In: *Proceedings of the 2012 IEEE Congress on Evolutionary Computation* (Li, X., ed.). Brisbane, Australia.
- [Pace et al.(2012)Pace, Cain & Woodward] PACE, S., CAIN, A. & WOODWARD, C. (2012). A consolidated model of particle swarm optimisation variants. In: Proceedings of the 2012 IEEE Congress on Evolutionary Computation (LI, X., ed.). Brisbane, Australia.
- [Pai & Michel(2012)] Pai, G. A. V. & Michel, T. (2012). Differential evolution based optimization of risk budgeted equity market neutral portfolios. In: *Proceedings of the 2012 IEEE Congress on Evolutionary Computation* (Li, X., ed.). Brisbane, Australia.
- [Palafox & Hitoshi(2012)] Palafox, L. & Hitoshi, I. (2012). 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* (Li, X., ed.). Brisbane, Australia.
- [Park et al.(2012)Park, Lee & Kim] Park, I.-W., Lee, K.-B. & Kim, J.-H. (2012). Multi-objective evolutionary algorithm-based optimal posture control of humanoid robots. In: *Proceedings of the 2012 IEEE Congress on Evolutionary Computation* (Li, X., ed.). Brisbane, Australia.
- [Paul et al.(2012)Paul, Kumar & Singh] Paul, S., Kumar, S. & Singh, L. (2012). Novel hybrid compact genetic algorithm for simultaneous structure and parameter learning of neural networks. In: Proceedings of the 2012 IEEE Congress on Evolutionary Computation (Li, X., ed.). Brisbane, Australia.
- [Pehlivanoglu & Baysal(2012)] PEHLIVANOGLU, Y. V. & BAYSAL, O. (2012). Improved particle swarm optimization: Catching the big wave on the surf. In: *Proceedings of the 2012 IEEE Congress on Evolutionary Computation* (LI, X., ed.). Brisbane, Australia.
- [Pei & Takagi(2012)] Pei, Y. & Takagi, H. (2012). Fourier analysis of the fitness landscape for evolutionary search acceleration. In: *Proceedings of the 2012 IEEE Congress on Evolutionary Computation* (Li, X., ed.). Brisbane, Australia.
- [Perez et al.(2012)Perez, Rohlfshagen & Lucas] Perez, D., Rohlfshagen, P. & Lucas, S. (2012). The physical travelling salesman problem: WCCI 2012 competition. In: Proceedings of the 2012 IEEE Congress on Evolutionary Computation (Li, X., ed.). Brisbane, Australia.
- [Picek et al.(2012)Picek, Golub & Jakobovic] Picek, S., Golub, M. & Jakobovic, D. (2012). Influence of the crossover operator in the performance of the hybrid taguchi GA. In: Proceedings of the 2012 IEEE Congress on Evolutionary Computation (Li, X., ed.). Brisbane, Australia.
- [Pilat & Neruda(2012)] PILAT, M. & NERUDA, R. (2012). An evolutionary strategy for surrogate-based multiobjective optimization. In: *Proceedings of the 2012 IEEE Congress on Evolutionary Computation* (LI, X., ed.). Brisbane, Australia.
- [Pirisi et al.(2012)Pirisi, Grimaccia, Mussetta & Zich] Pirisi, A., Grimaccia, F., Mussetta, M. & Zich, R. E. (2012). An evolutionary optimized device for energy harvesting from traffic. In: Proceedings of the 2012 IEEE Congress on Evolutionary Computation (Li, X., ed.). Brisbane, Australia.
- [Pisani & Lorena(2012)] PISANI, P. H. & LORENA, A. C. (2012). Evolutionary neural networks applied to keystroke dynamics: Genetic and immune based. In: *Proceedings of the 2012 IEEE Congress on Evolutionary Computation* (LI, X., ed.). Brisbane, Australia.
- [Poon et al.(2012)Poon, Yin, Poon, Zhang, Liu & Sze] Poon, J., Yin, D., Poon, S., Zhang, R., Liu, B. & Sze, D. (2012). Co-evolution of symptom-herb relationship. In: Proceedings of the 2012 IEEE Congress on Evolutionary Computation (Li, X., ed.). Brisbane, Australia.
- [Puris et al.(2012)Puris, Bello, Molina & Herrera] Puris, A., Bello, R., Molina, D. & Herrera, F. (2012). Optimising real parameters using the information of a mesh of solutions: VMO algorithm. In: *Proceedings of the 2012 IEEE Congress on Evolutionary Computation* (Li, X., ed.). Brisbane, Australia.

- [Qiu et al.(2012)Qiu, Zao & Chou] Qiu, J.-W., Zao, J. K. & Chou, Y.-H. (2012). A geometrically faithful memetic algorithm for searching sparse representations of EEG signals. In: *Proceedings of the 2012 IEEE Congress on Evolutionary Computation* (Li, X., ed.). Brisbane, Australia.
- [Rabelo et al.(2012a)Rabelo, Fernandes & Silva] RABELO, R., FERNANDES, R. & SILVA, I. (2012a). Operational planning of hydrothermal systems based on a fuzzy-PSO approach. In: Proceedings of the 2012 IEEE Congress on Evolutionary Computation (Li, X., ed.). Brisbane, Australia.
- [Rabelo et al.(2012b)Rabelo, Lemos & Barbosa] RABELO, R., LEMOS, M. & BARBOSA, D. (2012b). Power system harmonics estimation using particle swarm optimization. In: Proceedings of the 2012 IEEE Congress on Evolutionary Computation (LI, X., ed.). Brisbane, Australia.
- [Rada-Vilela et al.(2012)Rada-Vilela, Zhang & Seah] RADA-VILELA, J., ZHANG, M. & SEAH, W. (2012). A performance study on the effects of noise and evaporation in particle swarm optimization. In: Proceedings of the 2012 IEEE Congress on Evolutionary Computation (LI, X., ed.). Brisbane, Australia.
- [Raffe et al.(2012)Raffe, Zambetta & Li] RAFFE, W., ZAMBETTA, F. & Li, X. (2012). A survey of procedural terrain generation techniques using evolutionary algorithms. In: Proceedings of the 2012 IEEE Congress on Evolutionary Computation (Li, X., ed.). Brisbane, Australia.
- [Rahman & Dueck(2012)] RAHMAN, M. M. & DUECK, G. (2012). An algorithm to find quantum templates. In: *Proceedings of the 2012 IEEE Congress on Evolutionary Computation* (Li, X., ed.). Brisbane, Australia.
- [Rahman et al.(2012)Rahman, Hussain, Scavino, Hannan & Basri] RAHMAN, M. O., HUSSAIN, A., SCAVINO, E., HANNAN, M. A. & BASRI, H. (2012). Object identification using DNA computing algorithm. In: Proceedings of the 2012 IEEE Congress on Evolutionary Computation (LI, X., ed.). Brisbane, Australia.
- [Rajasekhar et al. (2012) Rajasekhar, Das & Suganthan] Rajasekhar, A., Das, S. & Suganthan, P. N. (2012). 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 (Li, X., ed.). Brisbane, Australia.
- [Ramos & Vazquez(2012)] RAMOS, J. E. & VAZQUEZ, R. A. (2012). A new objective function to build seismic networks using differential evolution. In: *Proceedings of the 2012 IEEE Congress on Evolutionary Computation* (LI, X., ed.). Brisbane, Australia.
- [Regnier-Coudert & McCall(2012)] REGNIER-COUDERT, O. & McCall, J. (2012). An island model genetic algorithm for Bayesian network structure learning. In: *Proceedings of the 2012 IEEE Congress on Evolutionary Computation* (Li, X., ed.). Brisbane, Australia.
- [Reynolds & Gawasmeh (2012)] Reynolds, R. & Gawasmeh, Y. (2012). 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* (Li, X., ed.). Brisbane, Australia.
- [Riano & McGinnity(2012)] RIANO, L. & McGINNITY, T. (2012). A robot that autonomously improves skills by evolving computational graphs. In: *Proceedings of the 2012 IEEE Congress on Evolutionary Computation* (LI, X., ed.). Brisbane, Australia.
- [Richter & Moser(2012)] RICHTER, J. & MOSER, I. (2012). A distributed multiobjective approach to negotiations in semi-competitive environments. In: *Proceedings of the 2012 IEEE Congress on Evolutionary Computation* (LI, X., ed.). Brisbane, Australia.
- [Rohler & Chen(2012)] ROHLER, A. B. & CHEN, S. (2012). Multi-swarm hybrid for multi-modal optimization. In: *Proceedings of the 2012 IEEE Congress on Evolutionary Computation* (LI, X., ed.). Brisbane, Australia.

- [Rotaru & Brudaru(2012)] ROTARU, C. & BRUDARU, O. (2012). Multi-grid cellular genetic algorithm for optimizing variable ordering of ROBDDs. In: *Proceedings of the 2012 IEEE Congress on Evolutionary Computation* (Li, X., ed.). Brisbane, Australia.
- [Roy et al.(2012)Roy, MartInez, Coello Coello & Sengupta] Roy, S., MartInez, S. Z., Coello Coello, C. A. & Sengupta, S. (2012). A multi-objective evolutionary approach for linear antenna array design and synthesis a 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 (Li, X., ed.). Brisbane, Australia.
- [Ruuska & Miettinen(2012)] RUUSKA, S. & MIETTINEN, K. (2012). Constructing evolutionary algorithms for bilevel multiobjective optimization. In: *Proceedings of the 2012 IEEE Congress on Evolutionary Computation* (LI, X., ed.). Brisbane, Australia.
- [Ryu et al.(2012)Ryu, Lee & Kim] Ryu, S.-J., Lee, K.-B. & Kim, J.-H. (2012). Improved version of a multiobjective quantum-inspired evolutionary algorithm with preference-based selection. In: *Proceedings of the 2012 IEEE Congress on Evolutionary Computation* (Li, X., ed.). Brisbane, Australia.
- [Saha & Ray(2012a)] SAHA, A. & RAY, T. (2012a). Equality constrained multi-objective optimization. In: *Proceedings of the 2012 IEEE Congress on Evolutionary Computation* (LI, X., ed.). Brisbane, Australia.
- [Saha & Ray(2012b)] SAHA, A. & RAY, T. (2012b). A repair mechanism for active inequality constraint handling. In: *Proceedings of the 2012 IEEE Congress on Evolutionary Computation* (LI, X., ed.). Brisbane, Australia.
- [Sandin et al.(2012)Sandin, Andrade, Viegas, Madeira, Rocha, Salles & Goncalves] Sandin, I., Andrade, G., Viegas, F., Madeira, D., Rocha, L., Salles, T. & Goncalves, M. A. (2012). Aggressive and effective feature selection using genetic programming. In: Proceedings of the 2012 IEEE Congress on Evolutionary Computation (Li, X., ed.). Brisbane, Australia.
- [Sandran et al.(2012)Sandran, Zakaria & Pal] Sandran, T., Zakaria, N. & Pal, A. J. (2012). 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 (Li, X., ed.). Brisbane, Australia.
- [Sano et al.(2012)Sano, Shindo, Jin'no & Saito] SANO, R., SHINDO, T., JIN'NO, K. & SAITO, T. (2012). PSO-based multiple optima search systems with switched topology. In: Proceedings of the 2012 IEEE Congress on Evolutionary Computation (Li, X., ed.). Brisbane, Australia.
- [Santana et al.(2012a)Santana, Mendiburu & Lozano] Santana, R., Mendiburu, A. & Lozano, J. A. (2012a). 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 (Li, X., ed.). Brisbane, Australia.
- [Santana et al.(2012b)Santana, Mendiburu & Lozano] SANTANA, R., MENDIBURU, A. & LOZANO, J. A. (2012b). Structural transfer using EDAs: An application to multi-marker tagging SNP selection. In: Proceedings of the 2012 IEEE Congress on Evolutionary Computation (LI, X., ed.). Brisbane, Australia.
- [Santos et al.(2012)Santos, Takahashi & Moreira] Santos, T., Takahashi, R. H. C. & Moreira, G. J. P. (2012). A CMA stochastic differential equation approach for many-objective optimization. In: *Proceedings of the 2012 IEEE Congress on Evolutionary Computation* (Li, X., ed.). Brisbane, Australia.
- [Saraiva & Pinheiro (2012)] SARAIVA, R. & PINHEIRO, P. (2012). 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* (LI, X., ed.). Brisbane, Australia.

- [Sato(2012)] SATO, A.-H. (2012). Japanese international air travel: The relationship between flight ticket price and geodesic distance. In: *Proceedings of the 2012 IEEE Congress on Evolutionary Computation* (LI, X., ed.). Brisbane, Australia.
- [Sato et al.(2012)Sato, Hasegawa, Bollegala & Iba] SATO, H., HASEGAWA, Y., BOLLEGALA, D. & IBA, H. (2012). Probabilistic model building GP with belief propagation. In: Proceedings of the 2012 IEEE Congress on Evolutionary Computation (LI, X., ed.). Brisbane, Australia.
- [Sawai(2012)] SAWAI, H. (2012). 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* (LI, X., ed.). Brisbane, Australia.
- [Sayed et al.(2012)Sayed, Esam & Sarker] SAYED, E., ESAM, D. & SARKER, R. (2012). Dependency identification technique for large scale optimization problems. In: Proceedings of the 2012 IEEE Congress on Evolutionary Computation (LI, X., ed.). Brisbane, Australia.
- [Seah et al.(2012)Seah, Ong, Tsang & Jiang] Seah, C.-W., Ong, Y.-S., Tsang, I. W. & Jiang, S. (2012). Pareto rank learning in multi-objective evolutionary algorithms. In: *Proceedings of the 2012 IEEE Congress on Evolutionary Computation* (Li, X., ed.). Brisbane, Australia.
- [Segredo et al.(2012)Segredo, Segura & Leon] SEGREDO, E., SEGURA, C. & LEON, C. (2012). Analysing the robustness of multiobjectivisation parameters with large scale optimisation problems. In: Proceedings of the 2012 IEEE Congress on Evolutionary Computation (LI, X., ed.). Brisbane, Australia.
- [Segretier et al. (2012) Segretier, Clergue, Collard & Izquierdo] SEGRETIER, W., CLERGUE, M., COLLARD, M. & IZQUIERDO, L. (2012). An evolutionary data mining approach on hydrological data with classifier juries. In: Proceedings of the 2012 IEEE Congress on Evolutionary Computation (LI, X., ed.). Brisbane, Australia.
- [Sekanina et al.(2012)Sekanina, Salajka & Vasicek] Sekanina, L., Salajka, V. & Vasicek, Z. (2012). Two-step evolution of polymorphic circuits for image multi-filtering. In: Proceedings of the 2012 IEEE Congress on Evolutionary Computation (Li, X., ed.). Brisbane, Australia.
- [Selvan et al.(2012)Selvan, Muhammad & Masra] Selvan, K. V., Muhammad, M. S. & Masra, S. M. W. (2012). 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 (Li, X., ed.). Brisbane, Australia.
- [Semenkin & Semenkina(2012)] SEMENKIN, E. & SEMENKINA, M. (2012). Self-configuring genetic programming algorithm with modified uniform crossover. In: *Proceedings of the 2012 IEEE Congress on Evolutionary Computation* (LI, X., ed.). Brisbane, Australia.
- [Sengupta et al.(2012a)Sengupta, Chakraborti, Konar, Kim & Nagar] SENGUPTA, A., CHAKRABORTI, T., KONAR, A., KIM, E. & NAGAR, A. K. (2012a). An adaptive memetic algorithm using a synergy of differential evolution and learning automata. In: Proceedings of the 2012 IEEE Congress on Evolutionary Computation (LI, X., ed.). Brisbane, Australia.
- [Sengupta et al.(2012b)Sengupta, Das, Nasir, Vasilakos & Pedrycz] Sengupta, S., Das, S., Nasir, M., Vasilakos, A. V. & Pedrycz, W. (2012b). 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 (Li, X., ed.). Brisbane, Australia.
- [Seredynski et al.(2012)Seredynski, Danoy, Masoud, Bouvry & Yoann] SEREDYNSKI, M., DANOY, G., MASOUD, T., BOUVRY, P. & YOANN, P. (2012). Generation of realistic mobility for VANETs using genetic algorithms. In: Proceedings of the 2012 IEEE Congress on Evolutionary Computation (LI, X., ed.). Brisbane, Australia.
- [Sergeevich & Bartlett(2012)] SERGEEVICH, A. & BARTLETT, S. (2012). Optimizing qubit Hamiltonian parameter estimation algorithm using PSO. In: *Proceedings of the 2012 IEEE Congress on Evolutionary Computation* (LI, X., ed.). Brisbane, Australia.

- [Setayesh et al.(2012)Setayesh, Mengjie & Mark] Setayesh, M., Mengjie, Z. & Mark, J. (2012). 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 (Li, X., ed.). Brisbane, Australia.
- [Shang et al.(2012)Shang, Zhihui, Liang & Niu] Shang, Z., Zhihui, L., Liang, J. J. & Niu, B. (2012). Control parameters self-adaptation in differential. In: Proceedings of the 2012 IEEE Congress on Evolutionary Computation (Li, X., ed.). Brisbane, Australia.
- [Shao & Er(2012)] Shao, Z. & Er, M. J. (2012). A review of inverse reinforcement learning theory and recent advances. In: *Proceedings of the 2012 IEEE Congress on Evolutionary Computation* (Li, X., ed.). Brisbane, Australia.
- [Sharifi et al.(2012)Sharifi, Noroozi, Bashiri, Hashemi & Meybodi] Sharifi, A., Noroozi, V., Bashiri, M., Hashemi, A. B. & Meybodi, M. R. (2012). Two phased cellular PSO: A new collaborative cellular algorithm for optimization in dynamic environments. In: *Proceedings of the 2012 IEEE Congress on Evolutionary Computation* (Li, X., ed.). Brisbane, Australia.
- [Sharma et al.(2012a)Sharma, Pant & Bansal] Sharma, T. K., Pant, M. & Bansal, J. C. (2012a). Artificial bee colony with mean mutation operator for better exploitation. In: Proceedings of the 2012 IEEE Congress on Evolutionary Computation (Li, X., ed.). Brisbane, Australia.
- [Sharma et al.(2012b)Sharma, Pant & Bansal] Sharma, T. K., Pant, M. & Bansal, J. C. (2012b). Some modifications to enhance the performance of artificial bee colony. In: Proceedings of the 2012 IEEE Congress on Evolutionary Computation (Li, X., ed.). Brisbane, Australia.
- [Shelokar et al.(2012)Shelokar, Quirin & Cordon] Shelokar, P., Quirin, A. & Cordon, O. (2012). Automatic extraction of common research areas in world scientograms using the multiobjective subdue algorithm. In: Proceedings of the 2012 IEEE Congress on Evolutionary Computation (Li, X., ed.). Brisbane, Australia.
- [Shelton et al.(2012)Shelton, Dozier, Adams & Alford] Shelton, J., Dozier, G., Adams, J. & Alford, A. (2012). Permutation-based biometric authentication protocols for mitigating replay attacks. In: Proceedings of the 2012 IEEE Congress on Evolutionary Computation (Li, X., ed.). Brisbane, Australia.
- [Shen et al.(2012)Shen, Laio & Chen] Shen, T.-W., Laio, T.-F. & Chen, S.-T. (2012). Hormone concentration inception: Development an artificial immune system with immunomodulator (AISI) intervention. In: Proceedings of the 2012 IEEE Congress on Evolutionary Computation (Li, X., ed.). Brisbane, Australia.
- [Shi et al.(2012)Shi, Yin & Song] Shi, Q., Yin, W. & Song, A. (2012). Analysis of motion detectors evolved by genetic programming. In: Proceedings of the 2012 IEEE Congress on Evolutionary Computation (Li, X., ed.). Brisbane, Australia.
- [Shim et al.(2012a)Shim, Tan & Tan] Shim, V. A., Tan, K. C. & Tan, K. K. (2012a). 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 (Li, X., ed.). Brisbane, Australia.
- [Shim et al.(2012b)Shim, Tan & Tan] Shim, V. A., Tan, K. C. & Tan, K. K. (2012b). 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* (Li, X., ed.). Brisbane, Australia.
- [Shimoyama et al.(2012)Shimoyama, Sato, Jeong & Obayashi] Shimoyama, K., Sato, K., Jeong, S. & Obayashi, S. (2012). Comparison of the criteria for updating kriging response surface models in multi-objective optimization. In: Proceedings of the 2012 IEEE Congress on Evolutionary Computation (Li, X., ed.). Brisbane, Australia.

- [Si et al.(2012)Si, Wang & Wu] SI, C., WANG, L. & Wu, Q. (2012). Mapping constrained optimization problems to algorithms and constraint handling techniques. In: Proceedings of the 2012 IEEE Congress on Evolutionary Computation (LI, X., ed.). Brisbane, Australia.
- [Siegmund et al.(2012)Siegmund, Ng & Deb] Siegmund, F., Ng, A. H. & Deb, K. (2012). 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* (Li, X., ed.). Brisbane, Australia.
- [Silveira et al.(2012)Silveira, Tanscheit & Vellasco] Silveira, L., Tanscheit, R. & Vellasco, M. (2012). Quantum-inspired genetic algorithms applied to ordering combinatorial optimization problems. In: *Proceedings of the 2012 IEEE Congress on Evolutionary Computation* (Li, X., ed.). Brisbane, Australia.
- [Sinha et al.(2012a)Sinha, Malo & Deb] Sinha, A., Malo, P. & Deb, K. (2012a). Unconstrained scalable test problems for single-objective bilevel optimization. In: Proceedings of the 2012 IEEE Congress on Evolutionary Computation (Li, X., ed.). Brisbane, Australia.
- [Sinha et al.(2012b)Sinha, Pandey & Deb] Sinha, A., Pandey, A. & Deb, K. (2012b). Solving high objective problems in fixed interactions with the decision maker. In: Proceedings of the 2012 IEEE Congress on Evolutionary Computation (Li, X., ed.). Brisbane, Australia.
- [Sinha et al.(2012c)Sinha, Bhola, Panchal, Singhal & Abraham] Sinha, S., Bhola, A., Panchal, V., Singhal, S. & Abraham, A. (2012c). Resolving mixed pixel using hybridization of ant colony optimization and biogeography based optimization. In: Proceedings of the 2012 IEEE Congress on Evolutionary Computation (Li, X., ed.). Brisbane, Australia.
- [Siriwardana & Halgamuge(2012)] SIRIWARDANA, J. & HALGAMUGE, S. (2012). Fast shortest path optimization inspired by shuttle streaming of physarum polycephalum. In: *Proceedings of the 2012 IEEE Congress on Evolutionary Computation* (LI, X., ed.). Brisbane, Australia.
- [Smith-Miles & Tan(2012)] SMITH-MILES, K. & TAN, T. (2012). Measuring algorithm footprints in instance space. In: *Proceedings of the 2012 IEEE Congress on Evolutionary Computation* (LI, X., ed.). Brisbane, Australia.
- [Soam et al.(2012)Soam, Palafox & Iba] Soam, V., Palafox, L. & Iba, H. (2012). Multi-objective portfolio optimization and rebalancing using genetic algorithms with local search. In: *Proceedings of the 2012 IEEE Congress on Evolutionary Computation* (Li, X., ed.). Brisbane, Australia.
- [Srivastava & Anand(2012)] Srivastava, S. & Anand, Y. (2012). An intelligent system to address occupational health of workers exposed to high risk jobs. In: *Proceedings of the 2012 IEEE Congress on Evolutionary Computation* (Li, X., ed.). Brisbane, Australia.
- [Stringer et al.(2012)Stringer, Lamont & Akers] Stringer, J., Lamont, G. & Akers, G. (2012). Radar phase-coded waveform design using multi-objective evolutionary algorithms. In: Proceedings of the 2012 IEEE Congress on Evolutionary Computation (Li, X., ed.). Brisbane, Australia.
- [Sun et al.(2012a)Sun, Yang, Gong & Li] Sun, X., Yang, L., Gong, D. & Li, M. (2012a). Interactive genetic algorithm assisted with group decision making-based collective intelligence. In: Proceedings of the 2012 IEEE Congress on Evolutionary Computation (Li, X., ed.). Brisbane, Australia.
- [Sun et al.(2012b)Sun, Lam, Li, Xu & Yu] Sun, Y., Lam, A. Y., Li, V. O., Xu, J. & Yu, J. J. (2012b). Chemical reaction optimization for the optimal power flow problem. In: Proceedings of the 2012 IEEE Congress on Evolutionary Computation (Li, X., ed.). Brisbane, Australia.
- [Szabo & Kroeger(2012)] Szabo, C. & Kroeger, T. (2012). Evolving multi-objective strategies for task allocation of scientific workflows on public clouds. In: *Proceedings of the 2012 IEEE Congress on Evolutionary Computation* (LI, X., ed.). Brisbane, Australia.

- [Takahama & Sakai(2012a)] TAKAHAMA, T. & SAKAI, S. (2012a). Differential evolution with dynamic strategy and parameter selection by detecting landscape modality. In: *Proceedings of the 2012 IEEE Congress on Evolutionary Computation* (LI, X., ed.). Brisbane, Australia.
- [Takahama & Sakai(2012b)] TAKAHAMA, T. & SAKAI, S. (2012b). Efficient constrained optimization by the epsilon constrained rank-based differential evolution. In: *Proceedings of the 2012 IEEE Congress on Evolutionary Computation* (LI, X., ed.). Brisbane, Australia.
- [Takahama & Sakai(2012c)] TAKAHAMA, T. & SAKAI, S. (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* (LI, X., ed.). Brisbane, Australia.
- [Takahiro et al.(2012)Takahiro, Takuya, Takayuki & Kenya] Takahiro, T., Takuya, S., Takayuki, K. & Kenya, J. (2012). A relationship between network topology and search performance of PSO. In: Proceedings of the 2012 IEEE Congress on Evolutionary Computation (Li, X., ed.). Brisbane, Australia.
- [Takano & Osana(2012)] Takano, M. & Osana, Y. (2012). Automatic composition system using genetic algorithm and n-gram model considering melody blocks. In: *Proceedings of the 2012 IEEE Congress on Evolutionary Computation* (Li, X., ed.). Brisbane, Australia.
- [Takenouchi et al.(2012) Takenouchi, Tokumaru & Muranaka] Takenouchi, H., Tokumaru, M. & Muranaka, N. (2012). Performance evaluation of interactive evolutionary computation with tournament-style evaluation. In: Proceedings of the 2012 IEEE Congress on Evolutionary Computation (Li, X., ed.). Brisbane, Australia.
- [Tan(2012)] TAN, S. C. (2012). Simplifying and improving swarm-based clustering. In: *Proceedings* of the 2012 IEEE Congress on Evolutionary Computation (Li, X., ed.). Brisbane, Australia.
- [Tanaka & Takahama(2012)] Tanaka, M. & Takahama, T. (2012). Restoration of motion-blurred line drawings by differential evolution and Richardson-Lucy algorithm. In: *Proceedings of the 2012 IEEE Congress on Evolutionary Computation* (Li, X., ed.). Brisbane, Australia.
- [Tang et al.(2012)Tang, Alam, Lokan & Abbass] Tang, J., Alam, S., Lokan, C. & Abbass, H. (2012). 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* (Li, X., ed.). Brisbane, Australia.
- [Tang(2012)] TANG, M. (2012). Evolutionary placement of continuously operating reference stations of network real-time kinematic. In: *Proceedings of the 2012 IEEE Congress on Evolutionary Computation* (LI, X., ed.). Brisbane, Australia.
- [Tao et al.(2012)Tao, Cao, Zhang, Lin & Li] Tao, Y., Cao, J., Zhang, Y., Lin, J. & Li, M. (2012). Using module-level evolvable hardware approach in design of sequential logic circuits. In: Proceedings of the 2012 IEEE Congress on Evolutionary Computation (Li, X., ed.). Brisbane, Australia.
- [Taroco et al.(2012)Taroco, Carrano, Neto & Takahashi] Taroco, C., Carrano, E., Neto, O. & Takahashi, R. (2012). A faster genetic algorithm for substation location and network design of power distribution systems. In: *Proceedings of the 2012 IEEE Congress on Evolutionary Computation* (Li, X., ed.). Brisbane, Australia.
- [Tasgetiren et al.(2012)Tasgetiren, Bulut & Fadiloglu] Tasgetiren, M. F., Bulut, O. & Fadiloglu, M. M. (2012). 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 (Li, X., ed.). Brisbane, Australia.
- [Tasoulis et al.(2012)Tasoulis, Epitropakis, Plagianakos & Tasoulis] Tasoulis, S., Epitropakis, M., Plagianakos, V. & Tasoulis, D. (2012). Density based projection pursuit clustering. In: Proceedings of the 2012 IEEE Congress on Evolutionary Computation (Li, X., ed.). Brisbane, Australia.

- [Ter-Sarkisov(2012)] Ter-Sarkisov, A. (2012). Elitism levels traverse mechanism for the derivation of upper bounds on unimodal functions. In: *Proceedings of the 2012 IEEE Congress on Evolutionary Computation* (Li, X., ed.). Brisbane, Australia.
- [Thompson & Congdon(2012)] Thompson, J. A. & Congdon, C. B. (2012). 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* (Li, X., ed.). Brisbane, Australia.
- [Toda et al.(2012)Toda, Narita & Kubota] Toda, Y., Narita, T. & Kubota, N. (2012). Information visualization based on 3D modeling for human-friendly teleoperation. In: Proceedings of the 2012 IEEE Congress on Evolutionary Computation (Li, X., ed.). Brisbane, Australia.
- [Trivedi et al.(2012)Trivedi, Sharma & Srinivasan] Trivedi, A., Sharma, D. & Srinivasan, D. (2012). Multi-objectivization of short-term unit commitment under uncertainty using evolutionary algorithm. In: Proceedings of the 2012 IEEE Congress on Evolutionary Computation (Li, X., ed.). Brisbane, Australia.
- [Tsai et al.(2012)Tsai, Chen & ping Chen] Tsai, P.-C., Chen, C.-M. & Ping Chen, Y. (2012). Sparse degrees analysis for LT codes optimization. In: Proceedings of the 2012 IEEE Congress on Evolutionary Computation (Li, X., ed.). Brisbane, Australia.
- [Tsuji et al.(2012)Tsuji, Sato, Tanabe, Inagaki & Hashimoto] Tsuji, M., Sato, M., Tanabe, A., Inagaki, Y. & Hashimoto, T. (2012). An asynchronous parallel genetic algorithm for the maximum likelihood phylogenetic tree search. In: Proceedings of the 2012 IEEE Congress on Evolutionary Computation (Li, X., ed.). Brisbane, Australia.
- [Tsutsui & Fujimoto(2012)] Tsutsui, S. & Fujimoto, N. (2012). Implementation of histogram based sampling algorithm within an EDA scheme with CUDA. In: *Proceedings of the 2012 IEEE Congress on Evolutionary Computation* (Li, X., ed.). Brisbane, Australia.
- [Tusar et al.(2012)Tusar, Dovgan & Filipic] Tusar, T., Dovgan, E. & Filipic, B. (2012). Evolutionary scheduling of flexible offers for electricity supply and demand. In: Proceedings of the 2012 IEEE Congress on Evolutionary Computation (Li, X., ed.). Brisbane, Australia.
- [Uchitane & Hatanaka(2012)] UCHITANE, T. & HATANAKA, T. (2012). Experimental study for multiobjective PSO with single objective guide selection. In: *Proceedings of the 2012 IEEE Congress* on Evolutionary Computation (LI, X., ed.). Brisbane, Australia.
- [Ulker & Landa-Silva(2012)] Ulker, O. & Landa-Silva, D. (2012). Evolutionary local search for solving the office space allocation problem. In: *Proceedings of the 2012 IEEE Congress on Evolutionary Computation* (Li, X., ed.). Brisbane, Australia.
- [Unemi(2012)] UNEMI, T. (2012). SBArt4 for an automatic evolutionary art. In: *Proceedings of the* 2012 IEEE Congress on Evolutionary Computation (LI, X., ed.). Brisbane, Australia.
- [Vahdat et al.(2012)Vahdat, Heywood & Zincir-Heywood] Vahdat, A., Heywood, M. I. & Zincir-Heywood, A. N. (2012). Symbiotic evolutionary subspace clustering. In: Proceedings of the 2012 IEEE Congress on Evolutionary Computation (Li, X., ed.). Brisbane, Australia.
- [Valsecchi et al.(2012) Valsecchi, Damas & Santamaria] Valsecchi, A., Damas, S. & Santamaria, J. (2012). An image registration approach using genetic algorithms. In: Proceedings of the 2012 IEEE Congress on Evolutionary Computation (Li, X., ed.). Brisbane, Australia.
- [Vanucci et al.(2012)Vanucci, Bicalho, Carrano & Takahashi] VANUCCI, S., BICALHO, R., CARRANO, E. & TAKAHASHI, R. (2012). A modified NSGA-II for the multiobjective multi-mode resource-constrained project scheduling problem. In: Proceedings of the 2012 IEEE Congress on Evolutionary Computation (LI, X., ed.). Brisbane, Australia.
- [Vasicek & Sekanina(2012)] Vasicek, Z. & Sekanina, L. (2012). On area minimization of complex combinational circuits using cartesian genetic programming. In: *Proceedings of the 2012 IEEE Congress on Evolutionary Computation* (Li, X., ed.). Brisbane, Australia.

- [Vathsavayi et al.(2012) Vathsavayi, Raiha & Koskimies] VATHSAVAYI, S., RAIHA, O. & KOSKIMIES, K. (2012). Using quality farms in multi-objective genetic software architecture synthesis. In: Proceedings of the 2012 IEEE Congress on Evolutionary Computation (LI, X., ed.). Brisbane, Australia.
- [Vazquez-Fernandez et al.(2012) Vazquez-Fernandez, Coello & Sagols] VAZQUEZ-FERNANDEZ, E., COELLO, C. & SAGOLS, F. (2012). 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 (LI, X., ed.). Brisbane, Australia.
- [Vazquez-Rodriguez et al.(2012)Vazquez-Rodriguez, Gomollon, Varela & Paz-Lopez] Vazquez-Rodriguez, S., Gomollon, J. A., Varela, G. & Paz-Lopez, A. (2012). Non-observability analysis by means of an evolutionary technique in measured electric power systems. In: Proceedings of the 2012 IEEE Congress on Evolutionary Computation (LI, X., ed.). Brisbane, Australia.
- [Veeramachaneni et al.(2012) Veeramachaneni, Wagner, O'Reilly & Neumann] VEERAMACHANENI, K., WAGNER, M., O'REILLY, U.-M. & NEUMANN, F. (2012). Optimizing energy output and layout costs for large wind farms using particle swarm optimization. In: *Proceedings of the 2012 IEEE Congress on Evolutionary Computation* (LI, X., ed.). Brisbane, Australia.
- [Vieira et al.(2012) Vieira, Mendonca, Farinha & Sousa] VIEIRA, S., MENDONCA, L., FARINHA, G. & Sousa, J. (2012). Metaheuristics for feature selection: application to sepsis outcome prediction. In: Proceedings of the 2012 IEEE Congress on Evolutionary Computation (LI, X., ed.). Brisbane, Australia.
- [Vitorino et al.(2012)Vitorino, Ribeiro & Bastos-Filho] VITORINO, L., RIBEIRO, S. & BASTOS-FILHO, C. (2012). 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 (LI, X., ed.). Brisbane, Australia.
- [Wan et al.(2012)Wan, Xiong & Liu] Wan, S., Xiong, S. & Liu, Y. (2012). Prediction based multistrategy differential evolution algorithm for dynamic environments. In: Proceedings of the 2012 IEEE Congress on Evolutionary Computation (Li, X., ed.). Brisbane, Australia.
- [Wang et al.(2012a)Wang, Xu, Mabu & Hirasawa] WANG, L., Xu, W., MABU, S. & HIRASAWA, K. (2012a). Rule accumulation method based on credit genetic network programming. In: Proceedings of the 2012 IEEE Congress on Evolutionary Computation (LI, X., ed.). Brisbane, Australia.
- [Wang et al.(2012b)Wang, Yang, Chen & Zhao] Wang, L., Yang, B., Chen, Y. & Zhao, X. (2012b). Predict the hydration of portland cement using differential evolution. In: Proceedings of the 2012 IEEE Congress on Evolutionary Computation (Li, X., ed.). Brisbane, Australia.
- [Wang et al.(2012c)Wang, Wu & Fyfe] WANG, T.-D., Wu, X. & Fyfe, C. (2012c). Comparative study of visualisation methods for temporal data. In: Proceedings of the 2012 IEEE Congress on Evolutionary Computation (Li, X., ed.). Brisbane, Australia.
- [Wang & Tang(2012)] WANG, X. & TANG, L. (2012). Multi-objective optimization using a hybrid differential evolution algorithm. In: *Proceedings of the 2012 IEEE Congress on Evolutionary Computation* (LI, X., ed.). Brisbane, Australia.
- [Watanabe & Ito(2012)] WATANABE, D. & Ito, K. (2012). Roles of real-world properties in the baldwin effect. In: *Proceedings of the 2012 IEEE Congress on Evolutionary Computation* (LI, X., ed.). Brisbane, Australia.
- [Weerasinghe & Sofronov(2012)] WEERASINGHE, M. & SOFRONOV, G. (2012). A modified cross entropy method for detecting multiple change points in DNA count data. In: *Proceedings of the 2012 IEEE Congress on Evolutionary Computation* (Li, X., ed.). Brisbane, Australia.

- [Wei & Wang(2012)] Wei, J. & Wang, Y. (2012). Hyper rectangle search based particle swarm algorithm for dynamic constrained multi-objective optimization problems. In: *Proceedings of the 2012 IEEE Congress on Evolutionary Computation* (Li, X., ed.). Brisbane, Australia.
- [Wei & Fujimura(2012)] Wei, X. & Fujimura, S. (2012). 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* (Li, X., ed.). Brisbane, Australia.
- [Wen et al.(2012)Wen, Gao, Li, Zhang & Yang] Wen, L., Gao, L., Li, X., Zhang, G. & Yang, Y. (2012). Application of free pattern search on the surface roughness prediction in end milling. In: Proceedings of the 2012 IEEE Congress on Evolutionary Computation (Li, X., ed.). Brisbane, Australia.
- [Wenping et al.(2012)Wenping, Yuanyuan, Congling & Jing] Wenping, M., Yuanyuan, H., Congling, L. & Jing, L. (2012). Image segmentation based on a hybrid immune memetic algorithm. In: Proceedings of the 2012 IEEE Congress on Evolutionary Computation (Li, X., ed.). Brisbane, Australia.
- [Wesolkowski & Wojtaszek(2012)] Wesolkowski, S. & Wojtaszek, D. (2012). SafeSST: Stochastic fleet estimation under steady state tasking via evolutionary fleet scheduling. In: *Proceedings of the 2012 IEEE Congress on Evolutionary Computation* (Li, X., ed.). Brisbane, Australia.
- [Wesolkowski et al.(2012)Wesolkowski, Wojtaszek & Willick] Wesolkowski, S., Wojtaszek, D. & Willick, K. (2012). Multi-objective optimization of the fleet mix problem using the SaFER model. In: Proceedings of the 2012 IEEE Congress on Evolutionary Computation (Li, X., ed.). Brisbane, Australia.
- [While & Bradstreet(2012)] WHILE, L. & BRADSTREET, L. (2012). Applying the WFG algorithm to calculate incremental hypervolumes. In: *Proceedings of the 2012 IEEE Congress on Evolutionary Computation* (LI, X., ed.). Brisbane, Australia.
- [Williams & Browne (2012)] WILLIAMS, H. & BROWNE, W. (2012). Integration of learning classifier systems with simultaneous localisation and mapping for autonomous robotics. In: *Proceedings of the 2012 IEEE Congress on Evolutionary Computation* (LI, X., ed.). Brisbane, Australia.
- [Wilson et al.(2012a)Wilson, Harding, Hoeber, Devillers & Banzhaf] Wilson, G., Harding, S., Hoeber, O., Devillers, R. & Banzhaf, W. (2012a). Parallel exhaustive search vs. evolutionary computation in a large real world network search space. In: *Proceedings of the 2012 IEEE Congress on Evolutionary Computation* (Li, X., ed.). Brisbane, Australia.
- [Wilson et al.(2012b)Wilson, Leblanc & Banzhaf] WILSON, G., LEBLANC, D. & BANZHAF, W. (2012b). Using sector information with linear genetic programming for intraday equity price trend analysis. In: *Proceedings of the 2012 IEEE Congress on Evolutionary Computation* (LI, X., ed.). Brisbane, Australia.
- [Wink et al.(2012)Wink, Baeck & Emmerich] Wink, S., Baeck, T. & Emmerich, M. (2012). A meta-genetic algorithm for solving the capacitated vehicle routing problem. In: Proceedings of the 2012 IEEE Congress on Evolutionary Computation (Li, X., ed.). Brisbane, Australia.
- [Witten & Clancey(2012)] WITTEN, M. & CLANCEY, O. (2012). 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* (LI, X., ed.). Brisbane, Australia.
- [Wu et al.(2012a)Wu, McCall, Corne & Regnier-Coudert] Wu, Y., McCall, J., Corne, D. & Regnier-Coudert, O. (2012a). Landscape analysis for hyperheuristic bayesian network structure learning on unseen problems. In: Proceedings of the 2012 IEEE Congress on Evolutionary Computation (Li, X., ed.). Brisbane, Australia.

- [Wu et al.(2012b)Wu, Ho, Shyu & Lin] Wu, Y.-L., Ho, T.-F., Shyu, S. J. & Lin, B. M. T. (2012b). Discrete particle swarm optimization for materials acquisition in multi-unit libraries. In: Proceedings of the 2012 IEEE Congress on Evolutionary Computation (Li, X., ed.). Brisbane, Australia.
- [Wu et al.(2012c)Wu, Xu, Chow & Zhao] Wu, Z., Xu, L., Chow, T. W. S. & Zhao, M. (2012c). Local cooperation delivers global optimization. In: Proceedings of the 2012 IEEE Congress on Evolutionary Computation (Li, X., ed.). Brisbane, Australia.
- [Xiao & Zuo(2012)] XIAO, L. & Zuo, X. (2012). Multi-DEPSO—a DE and PSO based hybrid algorithm in dynamic environments. In: *Proceedings of the 2012 IEEE Congress on Evolutionary Computation* (LI, X., ed.). Brisbane, Australia.
- [Xie et al.(2012)Xie, Song & Ciesielski] Xie, F., Song, A. & Ciesielski, V. (2012). Event detection in time series by genetic programming. In: Proceedings of the 2012 IEEE Congress on Evolutionary Computation (Li, X., ed.). Brisbane, Australia.
- [Xinguo et al.(2012)Xinguo, Xingquan & Cheng] XINGUO, S., XINGQUAN, Z. & CHENG, C. (2012). A cultural clonal selection algorithm based fast vehicle scheduling approach. In: Proceedings of the 2012 IEEE Congress on Evolutionary Computation (LI, X., ed.). Brisbane, Australia.
- [Xiong et al.(2012)Xiong, Abbass & Shafi] Xiong, J., Abbass, H. & Shafi, K. (2012). Multi-uncertainty problems (MUP) with applications to managing risk in resource-constrained project scheduling. In: Proceedings of the 2012 IEEE Congress on Evolutionary Computation (Li, X., ed.). Brisbane, Australia.
- [Xu et al.(2012a)Xu, Lam, Li, Li & Fan] Xu, J., Lam, A. Y., Li, V. O., Li, Q. & Fan, X. (2012a). Short adjacent repeat identification based on chemical reaction optimization. In: Proceedings of the 2012 IEEE Congress on Evolutionary Computation (Li, X., ed.). Brisbane, Australia.
- [Xu et al.(2012b)Xu, Lv, Zhou & Dou] Xu, J., Lv, Q., Zhou, J. & Dou, Y. (2012b). A self-organizing and self-adaptive french flag organism based on lateral activation model. In: Proceedings of the 2012 IEEE Congress on Evolutionary Computation (Li, X., ed.). Brisbane, Australia.
- [Xue et al.(2012)Xue, Zhang & Browne] Xue, B., Zhang, M. & Browne, W. N. (2012). New fitness functions in binary particle swarm optimisation for feature selection. In: Proceedings of the 2012 IEEE Congress on Evolutionary Computation (Li, X., ed.). Brisbane, Australia.
- [Yamaguchi et al.(2012)Yamaguchi, Hiroyasu, Nunokawa, Koizumi, Okumura, Yokouchi, Miki & Yoshimi] Yamaguchi, H., Hiroyasu, T., Nunokawa, S., Koizumi, N., Okumura, N., Yokouchi, H., Miki, M. & Yoshimi, M. (2012). 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 (Li, X., ed.). Brisbane, Australia.
- [Yan et al.(2012)Yan, Le, Iliyasu, Sun, Garcia, Dong & Hirota] Yan, F., Le, P. Q., ILIYASU, A. M., Sun, B., Garcia, J. A., Dong, F. & Hirota, K. (2012). Assessing the similarity of quantum images based on probability measurements. In: Proceedings of the 2012 IEEE Congress on Evolutionary Computation (Li, X., ed.). Brisbane, Australia.
- [yan Sun et al.(2012)yan Sun, shan Chen & ping Ma] YAN SUN, X., SHAN CHEN, S. & PING MA, X. (2012). Semi-supervised ranking SVM-assisted IGA with hierarchical evaluations. In: Proceedings of the 2012 IEEE Congress on Evolutionary Computation (LI, X., ed.). Brisbane, Australia.
- [Yang(2012)] YANG, L. (2012). Adaptive learning evaluation model for evolutionary art. In: Proceedings of the 2012 IEEE Congress on Evolutionary Computation (Li, X., ed.). Brisbane, Australia.
- [Yang et al.(2012)Yang, Mabu & Hirasawa] Yang, Y., Mabu, S. & Hirasawa, K. (2012). A multitasks learning approach to autonomous agent based on genetic network programming. In: Proceedings of the 2012 IEEE Congress on Evolutionary Computation (Li, X., ed.). Brisbane, Australia.

- [Yao et al.(2012)Yao, Gong, Luo & Li] Yao, X., Gong, D., Luo, Y. & Li, M. (2012). Test data reduction based on dominance relations of target statements. In: Proceedings of the 2012 IEEE Congress on Evolutionary Computation (Li, X., ed.). Brisbane, Australia.
- [Yazdani et al.(2012)Yazdani, Akbarzadeh-Totonchi, Nasiri & Meybodi] Yazdani, D., Akbarzadeh-Totonchi, M. R., Nasiri, B. & Meybodi, M. R. (2012). A new artificial fish swarm algorithm for dynamic optimization problems. In: Proceedings of the 2012 IEEE Congress on Evolutionary Computation (Li, X., ed.). Brisbane, Australia.
- [Yeh & Yang(2012)] Yeh, C.-H. & Yang, C.-Y. (2012). Can learning affect the effectiveness of price limits? In: *Proceedings of the 2012 IEEE Congress on Evolutionary Computation* (Li, X., ed.). Brisbane, Australia.
- [Yeh et al.(2012)Yeh, Yeh, Chou, Chung & He] Yeh, W.-C., Yeh, Y.-M., Chou, C.-H., Chung, Y. & He, X. (2012). 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 (Li, X., ed.). Brisbane, Australia.
- [Yoo et al.(2012)Yoo, Seok & Zhang] Yoo, J. H., Seok, H.-S. & Zhang, B.-T. (2012). Evolutionary particle filtering for sequential dependency learning from video data. In: *Proceedings of the 2012 IEEE Congress on Evolutionary Computation* (LI, X., ed.). Brisbane, Australia.
- [Yu et al.(2012a)Yu, Lam & Li] Yu, J. J., Lam, A. Y. & Li, V. O. (2012a). Real-coded chemical reaction optimization with different perturbation functions. In: Proceedings of the 2012 IEEE Congress on Evolutionary Computation (Li, X., ed.). Brisbane, Australia.
- [Yu et al.(2012b)Yu, Li & Lam] Yu, J. J., Li, V. O. & Lam, A. Y. (2012b). Sensor deployment for air pollution monitoring using public transportation system. In: Proceedings of the 2012 IEEE Congress on Evolutionary Computation (Li, X., ed.). Brisbane, Australia.
- [Yuan & Xu(2012)] Yuan, Y. & Xu, H. (2012). HHS/LNS: An integrated search method for flexible job shop scheduling. In: *Proceedings of the 2012 IEEE Congress on Evolutionary Computation* (Li, X., ed.). Brisbane, Australia.
- [yue Qiu et al.(2012)yue Qiu, shi Wu, ping Wang & Jiang] Yue Qiu, F., shi Wu, Y., ping Wang, L. & Jiang, B. (2012). Bipolar preferences dominance based evolutionary algorithm for many-objective optimization. In: Proceedings of the 2012 IEEE Congress on Evolutionary Computation (Li, X., ed.). Brisbane, Australia.
- [Yuen et al.(2012)Yuen, Gao, Wagner & Neumann] Yuen, J., Gao, S., Wagner, M. & Neumann, F. (2012). An adaptive data structure for evolutionary multi-objective algorithms with unbounded archives. In: Proceedings of the 2012 IEEE Congress on Evolutionary Computation (Li, X., ed.). Brisbane, Australia.
- [Yusoh & Tang(2012)] Yusoh, Z. M. & Tang, M. (2012). Clustering composite SaaS components in cloud computing using a grouping genetic algorithm. In: *Proceedings of the 2012 IEEE Congress on Evolutionary Computation* (LI, X., ed.). Brisbane, Australia.
- [Yuwono et al.(2012a) Yuwono, Su, Moulton & Nguyen] Yuwono, M., Su, S. W., Moulton, B. & Nguyen, H. (2012a). Fast unsupervised learning method for rapid estimation of cluster centroids. In: Proceedings of the 2012 IEEE Congress on Evolutionary Computation (Li, X., ed.). Brisbane, Australia.
- [Yuwono et al.(2012b) Yuwono, Su, Moulton & Nguyen] Yuwono, M., Su, S. W., Moulton, B. & Nguyen, H. (2012b). Method for increasing the computation speed of an unsupervised learning approach for data clustering. In: *Proceedings of the 2012 IEEE Congress on Evolutionary Computation* (LI, X., ed.). Brisbane, Australia.
- [Zamuda & Brest(2012)] Zamuda, A. & Brest, J. (2012). Tree model reconstruction innovization using multi-objective differential evolution. In: *Proceedings of the 2012 IEEE Congress on Evolutionary Computation* (Li, X., ed.). Brisbane, Australia.

- [Zao et al.(2012)Zao, Hornansky & Diao] ZAO, J. K., HORNANSKY, M. & DIAO, P.-L. (2012). Design of optimal short-length LT codes using evolution strategies. In: Proceedings of the 2012 IEEE Congress on Evolutionary Computation (LI, X., ed.). Brisbane, Australia.
- [Zhang & Saunders (2012)] Zhang, A. & Saunders, R. (2012). Towards the evolution of a language for creative design. In: *Proceedings of the 2012 IEEE Congress on Evolutionary Computation* (Li, X., ed.). Brisbane, Australia.
- [Zhang et al.(2012a)Zhang, Mahfouf, Panoutsos & Wang] Zhang, G., Mahfouf, M., Panoutsos, G. & Wang, S. (2012a). 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 (Li, X., ed.). Brisbane, Australia.
- [Zhang et al.(2012b)Zhang, Zhu & Yan] Zhang, H., Zhu, Y. & Yan, X. (2012b). Multi-hive artificial bee colony algorithm for constrained multi-objective optimization. In: Proceedings of the 2012 IEEE Congress on Evolutionary Computation (Li, X., ed.). Brisbane, Australia.
- [Zhang & Li(2012)] Zhang, K. & Li, B. (2012). Cooperative coevolution with global search for large scale global optimization. In: *Proceedings of the 2012 IEEE Congress on Evolutionary Computation* (Li, X., ed.). Brisbane, Australia.
- [Zhang et al.(2012c)Zhang, Li & Tan] Zhang, K., Li, B. & Tan, L. (2012c). 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 (Li, X., ed.). Brisbane, Australia.
- [Zhang et al.(2012d)Zhang, He & Yan] Zhang, L., He, R. & Yan, M. (2012d). Heterogeneous double populations based hybrid genetic algorithm design for training feedforward neural networks. In: *Proceedings of the 2012 IEEE Congress on Evolutionary Computation* (Li, X., ed.). Brisbane, Australia.
- [Zhang & Zhou(2012)] Zhang, L. & Zhou, C. (2012). Self organized parallel genetic algorithm to automatically realize diversified convergence. In: *Proceedings of the 2012 IEEE Congress on Evolutionary Computation* (Li, X., ed.). Brisbane, Australia.
- [Zhang et al.(2012e)Zhang, Feng, Zhang & Xiong] Zhang, W., Feng, X., Zhang, Y. & Xiong, X. (2012e). Information diffusion and its impacts on artificial stock markets in learning process. In: Proceedings of the 2012 IEEE Congress on Evolutionary Computation (Li, X., ed.). Brisbane, Australia.
- [Zhang & Yen(2012)] Zhang, W. & Yen, G. (2012). Immune-inspired evolutionary algorithm for constrained optimization. In: *Proceedings of the 2012 IEEE Congress on Evolutionary Computation* (Li, X., ed.). Brisbane, Australia.
- [Zhang & Luo(2012)] Zhang, X. & Luo, W. (2012). Evolutionary repair for evolutionary design of combinational logic circuits. In: *Proceedings of the 2012 IEEE Congress on Evolutionary Computation* (Li, X., ed.). Brisbane, Australia.
- [Zhang & Yuen(2012)] Zhang, X. & Yuen, S. Y. (2012). Opposition-based adaptive differential evolution. In: *Proceedings of the 2012 IEEE Congress on Evolutionary Computation* (Li, X., ed.). Brisbane, Australia.
- [Zhang et al.(2012f)Zhang, Zhang & Li] Zhang, X., Zhang, E. & Li, R. (2012f). Optimized feature extraction by immune clonal selection algorithm. In: Proceedings of the 2012 IEEE Congress on Evolutionary Computation (Li, X., ed.). Brisbane, Australia.
- [Zhang et al.(2012g)Zhang, Seah & Sun] Zhang, Z., Seah, H. S. & Sun, J. (2012g). A hybrid particle swarm optimization with cooperative method for multi-object tracking. In: *Proceedings of the 2012 IEEE Congress on Evolutionary Computation* (Li, X., ed.). Brisbane, Australia.

- [Zhao & Suganthan(2012)] Zhao, S.-Z. & Suganthan, P. N. (2012). Comprehensive comparison of convergence performance of optimization algorithms based on nonparametric statistical tests. In: *Proceedings of the 2012 IEEE Congress on Evolutionary Computation* (Li, X., ed.). Brisbane, Australia.
- [Zhou et al.(2012)Zhou, Zhang & Zhang] Zhou, A., Zhang, Q. & Zhang, G. (2012). A multiobjective evolutionary algorithm based on decomposition and probability model. In: Proceedings of the 2012 IEEE Congress on Evolutionary Computation (Li, X., ed.). Brisbane, Australia.
- [Zhu et al.(2012a)Zhu, Cao & Yang] Zhu, L., Cao, L. & Yang, J. (2012a). Multiobjective evolutionary algorithm-based soft subspace clustering. In: Proceedings of the 2012 IEEE Congress on Evolutionary Computation (LI, X., ed.). Brisbane, Australia.
- [Zhu et al.(2012b)Zhu, Liu, Ji & He] Zhu, Z., Liu, W., Ji, Z. & He, S. (2012b). Memetic clustering based on particle swarm optimizer and k-means. In: Proceedings of the 2012 IEEE Congress on Evolutionary Computation (Li, X., ed.). Brisbane, Australia.
- [Zulvia et al.(2012)Zulvia, Kuo & Hu] Zulvia, F. E., Kuo, R. & Hu, T.-L. (2012). 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* (Li, X., ed.). Brisbane, Australia.