

## Список литературы

- [1] Takenouchi, H, Tokumaru, M, & Muranaka, N. (2012) *Performance Evaluation of Interactive Evolutionary Computation with Tournament-Style Evaluation* ed. Li, X. (Brisbane, Australia), pp. 1–8.
- [2] Gunnersen, S, Smith-Miles, K, & Lee, V. (2012) *Towards Objective Data Selection in Bankruptcy Prediction* ed. Li, X. (Brisbane, Australia), pp. 9–16.
- [3] Li, Z, Shang, Z, Liang, J. J, & Niu, B. (2012) *An Improved Differential Evolution for Constrained Optimization with Dynamic Constraint-Handling Mechanism* ed. Li, X. (Brisbane, Australia), pp. 17–22.
- [4] Vitorino, L, Ribeiro, S, & Bastos-Filho, C. (2012) *A Hybrid Swarm Intelligence Optimizer based on Particles and Artificial Bees for High-Dimensional Search Spaces* ed. Li, X. (Brisbane, Australia), pp. 23–28.
- [5] Jin, Q & Liang, Z. (2012) *A Naive Particle Swarm Optimization* ed. Li, X. (Brisbane, Australia), pp. 29–36.
- [6] de Armas, J, Gonzalez, Y, Miranda, G, & Leon, C. (2012) *Parallelization of the Multi-Objective Container Loading Problem* ed. Li, X. (Brisbane, Australia), pp. 37–44.
- [7] Lee, L.-K, An, S.-Y, & Oh, S.-Y. (2012) *Robust Fingertip Extraction with Improved Skin Color Segmentation for Finger Gesture Recognition in Human-Robot Interaction* ed. Li, X. (Brisbane, Australia), pp. 45–51.
- [8] Mussetta, M, Shadmehr, H, Grimaccia, F, Gandelli, A, & Zich, R. (2012) *Optimization of a Radio Frequency Energy Harvesting Device* ed. Li, X. (Brisbane, Australia), pp. 52–56.
- [9] Shang, Z, Zhihui, L, Liang, J. J, & Niu, B. (2012) *Control Parameters Self-Adaptation in Differential* ed. Li, X. (Brisbane, Australia), pp. 65–70.
- [10] Fonseca, L, Barbosa, H, & Lemonge, A. (2012) *A study on fitness inheritance for enhanced efficiency in real-coded genetic algorithms* ed. Li, X. (Brisbane, Australia), pp. 71–78.
- [11] McCarthy, P. (2012) *Path-sharing: A new betweenness measure for community identification in networks* ed. Li, X. (Brisbane, Australia), pp. 79–84.
- [12] Oliveira, L. O, Mota, R. L, & Barone, D. A. (2012) *Clonal Selection Classifier with Data Reduction: Classification as an Optimization Task* ed. Li, X. (Brisbane, Australia), pp. 85–91.
- [13] 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* ed. Li, X. (Brisbane, Australia), pp. 92–99.
- [14] Ch'ng, S. H & Teo, J. (2012) *Online Evolution of Offensive Strategies in Real-Time Strategy Gaming* ed. Li, X. (Brisbane, Australia), pp. 100–107.
- [15] 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* ed. Li, X. (Brisbane, Australia), pp. 108–111.
- [16] Alsheddy, A & Kampouridis, M. (2012) *Off-line Parameter Tuning for Guided Local Search Using Genetic Programming* ed. Li, X. (Brisbane, Australia), pp. 112–116.
- [17] Nitschke, G. (2012) *Behavioral Heterogeneity, Cooperation, and Collective Construction* ed. Li, X. (Brisbane, Australia), pp. 117–124.
- [18] Nikumbh, S, Ghosh, S, & Jayaraman, V. (2012) *Biogeography-Based Informative Gene Selection and Cancer Classification Using SVM and Random Forests* ed. Li, X. (Brisbane, Australia), pp. 131–136.

- [19] Herbawi, W & Weber, M. (2012) *A Genetic Local Search Algorithm for Multiobjective Time-dependent Route Planning* ed. Li, X. (Brisbane, Australia), pp. 137–143.
- [20] Logenthiran, T, Dipti, S, Ashwin, M. K, & Raj, T. S. (2012) *Optimal Sizing of Distributed Energy Resources for Integrated Microgrids using Evolutionary Strategy* ed. Li, X. (Brisbane, Australia), pp. 144–151.
- [21] Zao, J. K, Hornansky, M, & Diao, P.-L. (2012) *Design of Optimal Short-Length LT Codes Using Evolution Strategies* ed. Li, X. (Brisbane, Australia), pp. 152–160.
- [22] Atyabi, A, Luerssen, M, Fitzgibbon, S. P, & Powers, D. M. W. (2012) *Evolutionary feature selection and electrode reduction for EEG classification* ed. Li, X. (Brisbane, Australia), pp. 161–168.
- [23] El-Abd, M & Kamel, M. (2012) *Particle Swarm Optimization with Adaptive Bounds* ed. Li, X. (Brisbane, Australia), pp. 169–174.
- [24] Park, I.-W, Lee, K.-B, & Kim, J.-H. (2012) *Multi-objective Evolutionary Algorithm-based Optimal Posture Control of Humanoid Robots* ed. Li, X. (Brisbane, Australia), pp. 175–181.
- [25] Higgs, T, Stantic, B, Hoque, T, & Sattar, A. (2012) *Refining Genetic Algorithm Twin Removal for High-Resolution Protein Structure Prediction* ed. Li, X. (Brisbane, Australia), pp. 182–189.
- [26] Wei, J & Wang, Y. (2012) *Hyper Rectangle Search Based Particle Swarm Algorithm for Dynamic Constrained Multi-Objective Optimization Problems* ed. Li, X. (Brisbane, Australia), pp. 190–197.
- [27] Maali, Y & Al-Jumaily, A. (2012) *A Novel Partially Connected Cooperative Parallel PSO-SVM Algorithm: Study Based on Sleep Apnea Detection* ed. Li, X. (Brisbane, Australia), pp. 198–205.
- [28] Chaari, I, Koubaa, A, Bennaceur, H, Trigui, S, & Al-Shalfan, K. (2012) *smartPATH: A Hybrid ACO-GA Algorithm for Robot Path Planning* ed. Li, X. (Brisbane, Australia), pp. 206–213.
- [29] Alam, S, Lokan, C, & Abbass, H. (2012) *What Can Make an Airspace Unsafe? Characterizing Collision Risk using Multi-Objective Optimization* ed. Li, X. (Brisbane, Australia), pp. 214–221.
- [30] Sinha, S, Bhola, A, Panchal, V, Singhal, S, & Abraham, A. (2012) *Resolving Mixed Pixel Using Hybridization Of Ant Colony Optimization And Biogeography Based Optimization* ed. Li, X. (Brisbane, Australia), pp. 222–227.
- [31] Jaros, J. (2012) *Multi-GPU Island-Based Genetic Algorithm for Solving the Knapsack Problem* ed. Li, X. (Brisbane, Australia), pp. 236–243.
- [32] Liu, H.-L, Chen, W.-Q, & Gu, F. (2012) *A Novel Multi-objective Differential Evolutionary Algorithm Based Sub-region Search* ed. Li, X. (Brisbane, Australia), pp. 244–249.
- [33] Ruuska, S & Miettinen, K. (2012) *Constructing Evolutionary Algorithms for Bilevel Multiobjective Optimization* ed. Li, X. (Brisbane, Australia), pp. 250–256.
- [34] Filipic, B & Lorencin, I. (2012) *Evolutionary Multiobjective Design of an Alternative Energy Supply System* ed. Li, X. (Brisbane, Australia), pp. 257–262.
- [35] Ashlock, D & McNicholas, S. (2012) *Single Parent Generalization of Cellular Automata Rules* ed. Li, X. (Brisbane, Australia), pp. 263–270.
- [36] Trivedi, A, Sharma, D, & Srinivasan, D. (2012) *Multi-objectivization of Short-Term Unit Commitment under Uncertainty using Evolutionary Algorithm* ed. Li, X. (Brisbane, Australia), pp. 271–278.
- [37] Gagne, C & Zinflou, A. (2012) *An hybrid algorithm for the industrial car sequencing problem* ed. Li, X. (Brisbane, Australia), pp. 279–286.
- [38] Sawai, H. (2012) *Reorganizing A New Generation Airline Network Based on An Ant-Colony Optimization-Inspired Small-World Network* ed. Li, X. (Brisbane, Australia), pp. 287–294.

- [39] Silveira, L, Tanscheit, R, & Vellasco, M. (2012) *Quantum-Inspired Genetic Algorithms applied to Ordering Combinatorial Optimization Problems* ed. Li, X. (Brisbane, Australia), pp. 295–301.
- [40] Chen, J.-L, Tsai, C.-W, & Yang, C.-S. (2012) *An Improved LGA for Protein-Ligand Docking Prediction* ed. Li, X. (Brisbane, Australia), pp. 302–307.
- [41] Zhang, K, Li, B, & Tan, L. (2012) *Empirical study of the effect of variable correlation on grouping in Cooperative Coevolutionary Evolutionary Algorithms* ed. Li, X. (Brisbane, Australia), pp. 308–314.
- [42] Rahman, M. O, Hussain, A, Scavino, E, Hannan, M. A, & Basri, H. (2012) *Object Identification Using DNA Computing Algorithm* ed. Li, X. (Brisbane, Australia), pp. 315–321.
- [43] Kovarik, O & Kordik, P. (2012) *Max-Min Ant System with Linear Memory Complexity* ed. Li, X. (Brisbane, Australia), pp. 322–326.
- [44] Mallipeddi, R & Lee, M. (2012) *Ensemble Based Face Recognition using Discriminant PCA Features* ed. Li, X. (Brisbane, Australia), pp. 327–333.
- [45] Neumann, G & Cairns, D. (2012) *Targeted EDA Adapted for a Routing Problem with Variable Length Chromosomes* ed. Li, X. (Brisbane, Australia), pp. 334–341.
- [46] Deb, K & Jain, H. (2012) *Handling Many-Objective Problems Using an Improved NSGA-II Procedure* ed. Li, X. (Brisbane, Australia), pp. 342–349.
- [47] 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* ed. Li, X. (Brisbane, Australia), pp. 350–357.
- [48] Takahiro, T, Takuya, S, Takayuki, K, & Kenya, J. (2012) *A Relationship between Network Topology and Search Performance of PSO* ed. Li, X. (Brisbane, Australia), pp. 358–363.
- [49] 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* ed. Li, X. (Brisbane, Australia), pp. 364–371.
- [50] Avasarala, V & Bonissone, P. (2012) *iPresage: An innovative Patent Landscaping tool* ed. Li, X. (Brisbane, Australia), pp. 372–378.
- [51] Qiu, J.-W, Zao, J. K, & Chou, Y.-H. (2012) *A Geometrically Faithful Memetic Algorithm for Searching Sparse Representations of EEG Signals* ed. Li, X. (Brisbane, Australia), pp. 379–385.
- [52] Lacroix, B, Molina, D, & Herrera, F. (2012) *Region based memetic algorithm with LS chaining* ed. Li, X. (Brisbane, Australia), pp. 386–391.
- [53] Fang, X, Kocejka, N, Zhan, J, Dozier, G, & Dipankar, D. (2012) *An Artificial Immune System for Phishing Detection* ed. Li, X. (Brisbane, Australia), pp. 392–398.
- [54] Watanabe, D & Ito, K. (2012) *Roles of real-world properties in the Baldwin effect* ed. Li, X. (Brisbane, Australia), pp. 399–406.
- [55] Ngoko, Y, Goldman, A, & Trystram, D. (2012) *Malleable resource sharing algorithms for cooperative resolution of problems* ed. Li, X. (Brisbane, Australia), pp. 407–414.
- [56] Tang, M. (2012) *Evolutionary Placement of Continuously Operating Reference Stations of Network Real-Time Kinematic* ed. Li, X. (Brisbane, Australia), pp. 415–422.
- [57] Picek, S, Golub, M, & Jakobovic, D. (2012) *Influence of the Crossover Operator in the Performance of the Hybrid Taguchi GA* ed. Li, X. (Brisbane, Australia), pp. 423–430.
- [58] 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* ed. Li, X. (Brisbane, Australia), pp. 431–438.

- [59] He, Z & Yen, G. (2012) *A New Fitness Evaluation Method Based on Fuzzy Logic in Multiobjective Evolutionary Algorithms* ed. Li, X. (Brisbane, Australia), pp. 439–446.
- [60] Korosec, P & Silc, J. (2012) *The Continuous Differential Ant-Stigmergy Algorithm Applied to Dynamic Optimization Problems* ed. Li, X. (Brisbane, Australia), pp. 447–454.
- [61] Louzada, J, Camilo-Junior, C, Vincenzi, A, & Rodrigues, C. (2012) *An Elitist Evolutionary Algorithm for Automatically Generating Test Data* ed. Li, X. (Brisbane, Australia), pp. 455–462.
- [62] Taroco, C, Carrano, E, Neto, O, & Takahashi, R. (2012) *A Faster Genetic Algorithm for Substation Location and Network Design of Power Distribution Systems* ed. Li, X. (Brisbane, Australia), pp. 463–468.
- [63] Dridi, O, Krichen, S, & Guitouni, A. (2012) *A Multi-Objective Optimization Approach for Resource Assignment and Task Scheduling Problem: Application to Maritime Domain Awareness* ed. Li, X. (Brisbane, Australia), pp. 469–476.
- [64] Alvares, M, Buarque, F, & Marwala, T. (2012) *Optimizing Risk Management Using NSGA-II* ed. Li, X. (Brisbane, Australia), pp. 477–484.
- [65] Li, B, Li, X, Mabu, S, & Hirasawa, K. (2012) *Towards Automatic Discovery and Reuse of Subroutines in Variable Size Genetic Network Programming* ed. Li, X. (Brisbane, Australia), pp. 485–492.
- [66] Xu, J, Lv, Q, Zhou, J, & Dou, Y. (2012) *A Self-Organizing and Self-Adaptive French Flag Organism Based on Lateral Activation Model* ed. Li, X. (Brisbane, Australia), pp. 493–500.
- [67] Shi, Q, Yin, W, & Song, A. (2012) *Analysis of Motion Detectors Evolved by Genetic Programming* ed. Li, X. (Brisbane, Australia), pp. 501–508.
- [68] Hunt, R, Neshatian, K, & Zhang, M. (2012) *Scalability Analysis of Genetic Programming Classifiers* ed. Li, X. (Brisbane, Australia), pp. 509–516.
- [69] Lehmann, H & Menzel, S. (2012) *Evolvability as Concept for the Optimal Design of Free-Form Deformation Control Volumes* ed. Li, X. (Brisbane, Australia), pp. 517–524.
- [70] Takano, M & Osana, Y. (2012) *Automatic Composition System using Genetic Algorithm and N-gram Model considering Melody Blocks* ed. Li, X. (Brisbane, Australia), pp. 525–532.
- [71] Meng, Y & Hongliang, G. (2012) *A Gene Regulatory Network based Framework for Self-Organization in Mobile Sensor Networks* ed. Li, X. (Brisbane, Australia), pp. 533–539.
- [72] Chen, S. (2012) *Particle Swarm Optimization with pbest Crossover* ed. Li, X. (Brisbane, Australia), pp. 540–545.
- [73] Saha, A & Ray, T. (2012) *A Repair Mechanism for Active Inequality Constraint Handling* ed. Li, X. (Brisbane, Australia), pp. 546–553.
- [74] Zhang, H, Zhu, Y, & Yan, X. (2012) *Multi-Hive Artificial Bee Colony Algorithm for Constrained Multi-Objective Optimization* ed. Li, X. (Brisbane, Australia), pp. 554–561.
- [75] Cheng, S, Shi, Y, & Qin, Q. (2012) *Population Diversity Based Study on Search Information Propagation in Particle Swarm Optimization* ed. Li, X. (Brisbane, Australia), pp. 562–569.
- [76] Guo, Y, neng Chen, W, & Zhang, J. (2012) *Enhancing the Performance of Evolutionary Algorithms—A Novel Maturity-Based Adaptation Strategy* ed. Li, X. (Brisbane, Australia), pp. 570–577.
- [77] Kroetz, M, Centeno, T, Delgado, M, Dorini, L, Flyk, V, Vieira, A, Lucas, L, & Felisberto, M. (2012) *Genetic Algorithms to Automatic Weld Bead Detection in Double Wall Double Image Digital Radiographs* ed. Li, X. (Brisbane, Australia), pp. 578–584.
- [78] Shao, Z & Er, M. J. (2012) *A Review of Inverse Reinforcement Learning Theory and Recent Advances* ed. Li, X. (Brisbane, Australia), pp. 585–592.

- [79] Takahama, T & Sakai, S. (2012) *Differential Evolution with Dynamic Strategy and Parameter Selection by Detecting Landscape Modality* ed. Li, X. (Brisbane, Australia), pp. 593–600.
- [80] Xu, J, Lam, A. Y, Li, V. O, Li, Q, & Fan, X. (2012) *Short Adjacent Repeat Identification Based on Chemical Reaction Optimization* ed. Li, X. (Brisbane, Australia), pp. 601–608.
- [81] Vathsavayi, S, Raiha, O, & Koskimies, K. (2012) *Using Quality Farms in Multi-Objective Genetic Software Architecture Synthesis* ed. Li, X. (Brisbane, Australia), pp. 609–616.
- [82] Ter-Sarkisov, A. (2012) *Elitism Levels Traverse Mechanism For The Derivation of Upper Bounds on Unimodal Functions* ed. Li, X. (Brisbane, Australia), pp. 617–624.
- [83] 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* ed. Li, X. (Brisbane, Australia), pp. 625–632.
- [84] Saraiva, R & Pinheiro, P. (2012) *A novel application of crossover operator to a hybrid optimization framework: investigation into cutting problems* ed. Li, X. (Brisbane, Australia), pp. 633–639.
- [85] Wan, S, Xiong, S, & Liu, Y. (2012) *Prediction based Multi-strategy Differential Evolution Algorithm for Dynamic Environments* ed. Li, X. (Brisbane, Australia), pp. 640–647.
- [86] 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* ed. Li, X. (Brisbane, Australia), pp. 648–655.
- [87] Shen, T.-W, Laio, T.-F, & Chen, S.-T. (2012) *Hormone Concentration Inception: Development an Artificial Immune System with Immunomodulator (AISI) Intervention* ed. Li, X. (Brisbane, Australia), pp. 656–661.
- [88] Wu, Y.-L, Ho, T.-F, Shyu, S. J, & Lin, B. M. T. (2012) *Discrete particle swarm optimization for materials acquisition in multi-unit libraries* ed. Li, X. (Brisbane, Australia), pp. 662–668.
- [89] Ghosh, A, Chowdhury, A, Sinha, S, Vasilakos, A. V, & Das, S. (2012) *A Genetic lbest PSO with Dynamically Varying Subswarm topology* ed. Li, X. (Brisbane, Australia), pp. 669–675.
- [90] Amaral, L & Hruschka, E. (2012) *Never-Ending Learning Principles in Gene Ontology Classification using Genetic Algorithms* ed. Li, X. (Brisbane, Australia), pp. 676–683.
- [91] Uchitane, T & Hatanaka, T. (2012) *Experimental Study for Multi-Objective PSO with Single Objective Guide Selection* ed. Li, X. (Brisbane, Australia), pp. 684–689.
- [92] Liu, J.-L, Hsu, Y.-T, & Hung, C.-L. (2012) *Development of Evolutionary Data Mining Algorithms and their Applications to Cardiac Disease Diagnosis* ed. Li, X. (Brisbane, Australia), pp. 690–697.
- [93] 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* ed. Li, X. (Brisbane, Australia), pp. 698–704.
- [94] Mussetta, M, Grimaccia, F, & Zich, R. E. (2012) *Comparison of different optimization techniques for the design of electromagnetic devices* ed. Li, X. (Brisbane, Australia), pp. 705–710.
- [95] Siegmund, F, Ng, A. H, & Deb, K. (2012) *Finding a preferred diverse set of Pareto-optimal solutions for a limited number of function calls* ed. Li, X. (Brisbane, Australia), pp. 711–718.
- [96] Zhang, L & Zhou, C. (2012) *Self Organized Parallel Genetic Algorithm to Automatically Realize Diversified Convergence* ed. Li, X. (Brisbane, Australia), pp. 719–727.
- [97] Vanucci, S, Bicalho, R, Carrano, E, & Takahashi, R. (2012) *A Modified NSGA-II for the Multiobjective Multi-mode Resource-Constrained Project Scheduling Problem* ed. Li, X. (Brisbane, Australia), pp. 728–734.

- [98] Legillon, F, Liefvooghe, A, & Talbi, E.-G. (2012) *CoBRA: A Cooperative Coevolutionary Algorithm for Bi-level Optimization* ed. Li, X. (Brisbane, Australia), pp. 735–742.
- [99] Yao, X, Gong, D, Luo, Y, & Li, M. (2012) *Test Data Reduction Based on Dominance Relations of Target Statements* ed. Li, X. (Brisbane, Australia), pp. 743–750.
- [100] Adewumi, A, Budlender, N, & Olusanya, M. (2012) *Optimizing the Assignment of Blood in a Blood Banking System: Some Initial Results* ed. Li, X. (Brisbane, Australia), pp. 751–756.
- [101] Datta, R, Bittermann, M. S, Deb, K, & Ciftcioglu, O. (2012) *Probabilistic Constraint Handling in the Framework of Joint Evolutionary-Classical Optimization with Engineering Applications* ed. Li, X. (Brisbane, Australia), pp. 757–764.
- [102] Wen, L, Gao, L, Li, X, Zhang, G, & Yang, Y. (2012) *Application of Free Pattern Search on the Surface Roughness Prediction in End Milling* ed. Li, X. (Brisbane, Australia), pp. 765–770.
- [103] jiao Gong, Y & Zhang, J. (2012) *Real-Time Traffic Signal Control for Roundabouts by Using a Novel PSO-based Fuzzy Controller* ed. Li, X. (Brisbane, Australia), pp. 771–778.
- [104] Xue, B, Zhang, M, & Browne, W. N. (2012) *New Fitness Functions in Binary Particle Swarm Optimisation for Feature Selection* ed. Li, X. (Brisbane, Australia), pp. 779–786.
- [105] yue Qiu, F, shi Wu, Y, ping Wang, L, & Jiang, B. (2012) *Bipolar Preferences Dominance based Evolutionary Algorithm for Many-Objective Optimization* ed. Li, X. (Brisbane, Australia), pp. 787–794.
- [106] Liu, Y, Chung, Y. Y, & Yeh, W. C. (2012) *Simplified Swarm Optimization with Sorted Local Search for Golf Data Classification* ed. Li, X. (Brisbane, Australia), pp. 795–802.
- [107] Raffe, W, Zambetta, F, & Li, X. (2012) *A Survey of Procedural Terrain Generation Techniques using Evolutionary Algorithms* ed. Li, X. (Brisbane, Australia), pp. 803–810.
- [108] Yuan, Y & Xu, H. (2012) *HHS/LNS: An Integrated Search Method for Flexible Job Shop Scheduling* ed. Li, X. (Brisbane, Australia), pp. 811–818.
- [109] Liu, J & Zhong, W. (2012) *Continuous Game Dynamics on Populations with a Cycle Structure under Weak Selection* ed. Li, X. (Brisbane, Australia), pp. 819–824.
- [110] Vasicek, Z & Sekanina, L. (2012) *On Area Minimization of Complex Combinational Circuits Using Cartesian Genetic Programming* ed. Li, X. (Brisbane, Australia), pp. 825–832.
- [111] Pehlivanoglu, Y. V & Baysal, O. (2012) *Improved Particle Swarm Optimization: Catching the Big Wave on the Surf* ed. Li, X. (Brisbane, Australia), pp. 833–840.
- [112] Lu, Q & Han, Q.-L. (2012) *A Finite-time Particle Swarm Optimization Algorithm* ed. Li, X. (Brisbane, Australia), pp. 841–848.
- [113] Leung, S. W, Zhang, X, & Yuen, S. Y. (2012) *Multiobjective Differential Evolution Algorithm with Opposition-Based Parameter Control* ed. Li, X. (Brisbane, Australia), pp. 849–856.
- [114] Fang, W, Sun, J, Wu, X, Xu, W, & Vasile, P. (2012) *Study on the Compression-Expansion Coefficient in Drift Particle Swarm Optimization* ed. Li, X. (Brisbane, Australia), pp. 857–862.
- [115] Iclanzan, D & Chira, C. (2012) *Modeling and Replicating Higher-Order Dependencies in Genetic Algorithms* ed. Li, X. (Brisbane, Australia), pp. 863–870.
- [116] Au, C.-K & Leung, H.-F. (2012) *Eigenspace sampling in the mirrored variant of (1,lambda)-CMA-ES* ed. Li, X. (Brisbane, Australia), pp. 871–878.
- [117] Alam, S, Gillian, D, Riddle, P, & Koh, Y. S. (2012) *Hierarchical PSO Clustering Based Recommender System* ed. Li, X. (Brisbane, Australia), pp. 879–886.
- [118] Lee, M.-C & Cho, S.-B. (2012) *Interactive Differential Evolution for Image Enhancement Application in Smart Phone* ed. Li, X. (Brisbane, Australia), pp. 887–892.

- [119] Xinguo, S, Xingquan, Z, & Cheng, C. (2012) *A Cultural Clonal Selection Algorithm based Fast Vehicle Scheduling Approach* ed. Li, X. (Brisbane, Australia), pp. 893–899.
- [120] 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* ed. Li, X. (Brisbane, Australia), pp. 900–906.
- [121] Dias, D & Pacheco, M. A. (2012) *Describing Quantum-Inspired Linear Genetic Programming from Symbolic Regression Problems* ed. Li, X. (Brisbane, Australia), pp. 907–914.
- [122] Ni, J, Li, L, Qiao, F, & Wu, Q. (2012) *A Novel Memetic Algorithm based on the Comprehensive Learning PSO* ed. Li, X. (Brisbane, Australia), pp. 915–922.
- [123] Hong, T.-P, Lin, F.-S, & Chen, C.-H. (2012) *Using the Group Genetic Algorithm for Attribute Clustering* ed. Li, X. (Brisbane, Australia), pp. 923–927.
- [124] Ou, C.-M & Ou, C. (2012) *Immune Memory with Associativity: Perspectives on Dynamical Systems* ed. Li, X. (Brisbane, Australia), pp. 928–933.
- [125] Vieira, S, Mendonca, L, Farinha, G, & Sousa, J. (2012) *Metaheuristics for feature selection: application to sepsis outcome prediction* ed. Li, X. (Brisbane, Australia), pp. 934–941.
- [126] 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* ed. Li, X. (Brisbane, Australia), pp. 942–947.
- [127] Chang, K. T, Chin, K. O, Teo, J, & Mountstephens, J. (2012) *Game AI Generation using Evolutionary Multi-Objective Optimization* ed. Li, X. (Brisbane, Australia), pp. 948–955.
- [128] Li, Y & Guo, M. (2012) *Phase Transition and New Fitness Function Based Genetic Inductive Logic Programming Algorithm* ed. Li, X. (Brisbane, Australia), pp. 956–963.
- [129] LaTorre, A, Muelas, S, & Pena, J.-M. (2012) *Multiple Offspring Sampling in Large Scale Global Optimization* ed. Li, X. (Brisbane, Australia), pp. 964–971.
- [130] Rajasekhar, A, Das, S, & Suganthan, P. N. (2012) *Design of Fractional Order Controller for a Servohydraulic Positioning System with Micro Artificial Bee Colony Algorithm* ed. Li, X. (Brisbane, Australia), pp. 972–979.
- [131] 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* ed. Li, X. (Brisbane, Australia), pp. 980–987.
- [132] 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* ed. Li, X. (Brisbane, Australia), pp. 988–994.
- [133] Yu, J. J, Li, V. O, & Lam, A. Y. (2012) *Sensor Deployment for Air Pollution Monitoring Using Public Transportation System* ed. Li, X. (Brisbane, Australia), pp. 995–1001.
- [134] Benedicic, L, Stular, M, & Korosec, P. (2012) *Balancing downlink and uplink soft-handover areas in UMTS networks* ed. Li, X. (Brisbane, Australia), pp. 1002–1009.
- [135] Tsai, P.-C, Chen, C.-M, & ping Chen, Y. (2012) *Sparse Degrees Analysis for LT Codes Optimization* ed. Li, X. (Brisbane, Australia), pp. 1010–1015.
- [136] Liao, C.-C & Ting, C.-K. (2012) *Extending the Lifetime of Dynamic Wireless Sensor Networks by Genetic Algorithm* ed. Li, X. (Brisbane, Australia), pp. 1016–1023.
- [137] Zhang, A & Saunders, R. (2012) *Towards the Evolution of a Language for Creative Design* ed. Li, X. (Brisbane, Australia), pp. 1024–1029.

- [138] Cussat-Blanc, S, Sanchez, S, & Duthen, Y. (2012) *Simultaneous cooperative and conflicting behaviors handled by a Gene Regulatory Network* ed. Li, X. (Brisbane, Australia), pp. 1037–1044.
- [139] Hanif, A & Smith, R. (2012) *Generation Path-Switching in Sequential Monte-Carlo Methods* ed. Li, X. (Brisbane, Australia), pp. 1045–1051.
- [140] Wang, T.-D, Wu, X, & Fyfe, C. (2012) *Comparative Study of Visualisation Methods for Temporal Data* ed. Li, X. (Brisbane, Australia), pp. 1052–1056.
- [141] Pai, G. A. V & Michel, T. (2012) *Differential Evolution based optimization of Risk budgeted Equity Market Neutral Portfolios* ed. Li, X. (Brisbane, Australia), pp. 1057–1064.
- [142] Sato, A.-H. (2012) *Japanese International Air Travel: The Relationship between Flight Ticket Price and Geodesic Distance* ed. Li, X. (Brisbane, Australia), pp. 1065–1070.
- [143] Wilson, G, Leblanc, D, & Banzhaf, W. (2012) *Using Sector Information with Linear Genetic Programming for Intraday Equity Price Trend Analysis* ed. Li, X. (Brisbane, Australia), pp. 1071–1078.
- [144] Jevne, H, Haddow, P, & Gaivoronski, A. (2012) *Evolving Constrained mean-VaR Efficient Frontiers* ed. Li, X. (Brisbane, Australia), pp. 1079–1086.
- [145] Soam, V, Palafox, L, & Iba, H. (2012) *Multi-Objective Portfolio Optimization and Rebalancing Using Genetic Algorithms with Local Search* ed. Li, X. (Brisbane, Australia), pp. 1087–1093.
- [146] Yeh, C.-H & Yang, C.-Y. (2012) *Can learning affect the effectiveness of price limits?* ed. Li, X. (Brisbane, Australia), pp. 1094–1101.
- [147] Brabazon, A, Silva, A, & O'Neill, M. (2012) *Optimal Patent Design: An Agent-based Approach* ed. Li, X. (Brisbane, Australia), pp. 1102–1109.
- [148] Ma, H, Fei, M, Ding, Z, & Jin, J. (2012) *Biogeography-Based Optimization with Ensemble of Migration Models for Global Numerical Optimization* ed. Li, X. (Brisbane, Australia), pp. 1110–1117.
- [149] Hamza, N, Sarker, R, & Essam, D. (2012) *Differential Evolution with a mix of Constraint Consensus Methods for Solving a Real-World Optimization Problem* ed. Li, X. (Brisbane, Australia), pp. 1118–1124.
- [150] Gao, K, Suganthan, P. N, & Bao, Z. (2012) *A composite heuristic for the no-wait flow shop scheduling* ed. Li, X. (Brisbane, Australia), pp. 1125–1129.
- [151] Cheung, C, Valdes, J. J, & Li, M. (2012) *Use of evolutionary computation techniques for exploration and prediction of helicopter loads* ed. Li, X. (Brisbane, Australia), pp. 1130–1137.
- [152] Elsayed, S, Sarker, R, & Ray, T. (2012) *Parameters Adaptation in Differential Evolution* ed. Li, X. (Brisbane, Australia), pp. 1138–1145.
- [153] Zhang, W, Feng, X, Zhang, Y, & Xiong, X. (2012) *Information Diffusion and Its Impacts on Artificial Stock Markets in Learning Process* ed. Li, X. (Brisbane, Australia), pp. 1146–1151.
- [154] Chen, S.-H & Gostoli, U. (2012) *Coordination in the El Farol Bar Problem: The Role of Social Preferences and Social Networks* ed. Li, X. (Brisbane, Australia), pp. 1152–1159.
- [155] Tusar, T, Dovgan, E, & Filipic, B. (2012) *Evolutionary Scheduling of Flexible Offers for Electricity Supply and Demand* ed. Li, X. (Brisbane, Australia), pp. 1160–1167.
- [156] Cepeda, J, Rueda, J, & Erlich, I. (2012) *Identification of Dynamic Equivalents based on Heuristic Optimization for Smart Grid Applications* ed. Li, X. (Brisbane, Australia), pp. 1168–1175.
- [157] Ling, S. H, Nguyen, H, Leung, F. H, Chan, K. Y, & Jiang, F. (2012) *Intelligent Fuzzy Particle Swarm Optimization with Cross-Mutated Operation* ed. Li, X. (Brisbane, Australia), pp. 1176–1183.



- [158] Khadem, S, Chan, K. Y, & Dillon, T. (2012) *Optimization of neural network configurations for short-term traffic flow forecasting using orthogonal design* ed. Li, X. (Brisbane, Australia), pp. 1184–1190.
- [159] Ishibuchi, H, Hoshino, K, & Nojima, Y. (2012) *Strategy Evolution in a Spatial IPD Game where Each Agent is not Allowed to Play against Itself* ed. Li, X. (Brisbane, Australia), pp. 1191–1198.
- [160] Perez, D, Rohlfshagen, P, & Lucas, S. (2012) *The Physical Travelling Salesman Problem: WCCI 2012 Competition* ed. Li, X. (Brisbane, Australia), pp. 1199–1206.
- [161] Greenwood, G & Ashlock, D. (2012) *Evolutionary Games and the Study of Cooperation: Why Has So Little Progress Been Made?* ed. Li, X. (Brisbane, Australia), pp. 1207–1214.
- [162] Ishibuchi, H, Hoshino, K, & Nojima, Y. (2012) *Evolution of Strategies in a Spatial IPD Game with a Number of Different Representation Schemes* ed. Li, X. (Brisbane, Australia), pp. 1215–1222.
- [163] Mahlmann, T, Togelius, J, & Yannakakis, G. N. (2012) *Evolving Card Sets Towards Balancing Dominion* ed. Li, X. (Brisbane, Australia), pp. 1223–1230.
- [164] Hingston, P, Masek, M, & Beard, D. (2012) *Using Monte Carlo Tree Search for Replanning in a Multistage Simultaneous Game* ed. Li, X. (Brisbane, Australia), pp. 1231–1238.
- [165] Wilson, G, Harding, S, Hoeber, O, Devillers, R, & Banzhaf, W. (2012) *Parallel Exhaustive Search vs. Evolutionary Computation in a Large Real World Network Search Space* ed. Li, X. (Brisbane, Australia), pp. 1239–1246.
- [166] Tsutsui, S & Fujimoto, N. (2012) *Implementation of Histogram Based Sampling Algorithm within an EDA Scheme with CUDA* ed. Li, X. (Brisbane, Australia), pp. 1247–1254.
- [167] Vazquez-Fernandez, E, Coello, C, & Sagols, F. (2012) *An Evolutionary Algorithm coupled with the Hooke-Jeeves Algorithm for Tuning a Chess Evaluation Function* ed. Li, X. (Brisbane, Australia), pp. 1255–1262.
- [168] Nazmul, R, Chetty, M, Samudrala, R, & Chalmers, D. (2012) *Protein Structure Prediction based on Optimal Hydrophobic Core Formation* ed. Li, X. (Brisbane, Australia), pp. 1263–1271.
- [169] Forghany, Z, Davarynejad, M, & Snaar-Jagalska, E. (2012) *Gene Regulatory Network Model Identification Using Artificial Bee Colony and Swarm Intelligence* ed. Li, X. (Brisbane, Australia), pp. 1272–1277.
- [170] 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* ed. Li, X. (Brisbane, Australia), pp. 1278–1284.
- [171] Chowdhury, A, Chetty, M, & Vinh, N. (2012) *Adaptive Regulatory Genes Cardinality for Reconstructing Genetic Networks* ed. Li, X. (Brisbane, Australia), pp. 1285–1292.
- [172] Ficici, S. G, Liu, E, & Fogel, G. B. (2012) *Evolutionary Algorithms for Supertree Search* ed. Li, X. (Brisbane, Australia), pp. 1293–1300.
- [173] 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* ed. Li, X. (Brisbane, Australia), pp. 1301–1308.
- [174] Gagne, D. J & Congdon, C. B. (2012) *Preliminary Results for GAMMI: Genetic Algorithms for Motif-Module Inference* ed. Li, X. (Brisbane, Australia), pp. 1309–1316.
- [175] Palafox, L & Hitoshi, I. (2012) *On the use of Population Based Incremental Learning to do Reverse Engineering on Gene Regulatory Networks* ed. Li, X. (Brisbane, Australia), pp. 1317–1324.

- [176] Wesolkowski, S & Wojtaszek, D. (2012) *SaFESST: Stochastic Fleet Estimation Under Steady State Tasking via Evolutionary Fleet Scheduling* ed. Li, X. (Brisbane, Australia), pp. 1325–1332.
- [177] Falcon, R & Abielmona, R. (2012) *A Response-Aware Risk Management Framework for Search-and-Rescue Operations* ed. Li, X. (Brisbane, Australia), pp. 1333–1340.
- [178] Setayesh, M, Mengjie, Z, & Mark, J. (2012) *Effects of Static and Dynamic Topologies in Particle Swarm Optimisation for Edge Detection in Noisy Images* ed. Li, X. (Brisbane, Australia), pp. 1341–1348.
- [179] Ciesielski, V, Lam, B, & Nguyen, M. L. (2012) *Comparison of Evolutionary and Conventional Feature Extraction Methods for Malt Classification* ed. Li, X. (Brisbane, Australia), pp. 1349–1355.
- [180] Fu, W, Johnston, M, & Zhang, M. (2012) *Soft Edge Maps From Edge Detectors Evolved by Genetic Programming* ed. Li, X. (Brisbane, Australia), pp. 1356–1363.
- [181] Campomanes-Alvarez, B. R, Damas, S, & Cordon, O. (2012) *Mesh Simplification for 3D Modeling using Evolutionary Multi-Objective Optimization* ed. Li, X. (Brisbane, Australia), pp. 1364–1371.
- [182] Nielsen, S. S, Dorronsoro, B, Danoy, G, & Bouvry, P. (2012) *Novel Efficient Asynchronous Cooperative Co-evolutionary Multi-Objective Algorithms* ed. Li, X. (Brisbane, Australia), pp. 1372–1378.
- [183] Elsayed, S, Sarker, R, & Essam, D. (2012) *Memetic Multi-Topology Particle Swarm Optimizer for Constrained Optimization* ed. Li, X. (Brisbane, Australia), pp. 1379–1386.
- [184] Takahama, T & Sakai, S. (2012) *Efficient Constrained Optimization by the Epsilon Constrained Rank-Based Differential Evolution* ed. Li, X. (Brisbane, Australia), pp. 1387–1394.
- [185] Saha, A & Ray, T. (2012) *Equality Constrained Multi-Objective Optimization* ed. Li, X. (Brisbane, Australia), pp. 1395–1401.
- [186] Bonyadi, M. R & Michalewicz, Z. (2012) *A Fast Particle Swarm Optimization Algorithm for the Multidimensional Knapsack Problem* ed. Li, X. (Brisbane, Australia), pp. 1402–1409.
- [187] Engelbrecht, A. (2012) *Particle Swarm Optimization: Velocity Initialization* ed. Li, X. (Brisbane, Australia), pp. 1410–1417.
- [188] Hardhienata, M, Merrick, K, & Ugrinovskii, V. (2012) *Task Allocation in Multi-Agent Systems using Models of Motivation and Leadership* ed. Li, X. (Brisbane, Australia), pp. 1418–1425.
- [189] Guderian, F, Schaffer, R, & Fettweis, G. (2012) *Dimensioning the Heterogeneous Multicenter Architecture via Parallelism Analysis and Evolutionary Computing* ed. Li, X. (Brisbane, Australia), pp. 1426–1433.
- [190] Guderian, F, Schaffer, R, & Fettweis, G. (2012) *Administration- and Communication-Aware IP Core Mapping in Scalable Multiprocessor System-on-Chips via Evolutionary Computing* ed. Li, X. (Brisbane, Australia), pp. 1434–1441.
- [191] Sayed, E, Esam, D, & Sarker, R. (2012) *Dependency Identification Technique for Large Scale Optimization Problems* ed. Li, X. (Brisbane, Australia), pp. 1442–1449.
- [192] Valsecchi, A, Damas, S, & Santamaria, J. (2012) *An Image Registration Approach using Genetic Algorithms* ed. Li, X. (Brisbane, Australia), pp. 1450–1457.
- [193] Albukhanajer, W, Jin, Y, Briffa, J, & Williams, G. (2012) *Evolutionary Multi-Objective Optimization of Trace Transform for Invariant Feature Extraction* ed. Li, X. (Brisbane, Australia), pp. 1458–1465.
- [194] Feng, X & Song, A. (2012) *Evolving Frame Splitters by Genetic Programming* ed. Li, X. (Brisbane, Australia), pp. 1466–1472.

- [195] Zhang, X & Luo, W. (2012) *Evolutionary Repair for Evolutionary Design of Combinational Logic Circuits* ed. Li, X. (Brisbane, Australia), pp. 1473–1480.
- [196] Sekanina, L, Salajka, V, & Vasicek, Z. (2012) *Two-Step Evolution of Polymorphic Circuits for Image Multi-Filtering* ed. Li, X. (Brisbane, Australia), pp. 1481–1488.
- [197] Tanaka, M & Takahama, T. (2012) *Restoration of Motion-Blurred Line Drawings by Differential Evolution and Richardson-Lucy Algorithm* ed. Li, X. (Brisbane, Australia), pp. 1489–1496.
- [198] Balazs, K & Koczy, L. T. (2012) *Hybrid Bacterial Iterated Greedy Heuristics for the Permutation Flow Shop Problem* ed. Li, X. (Brisbane, Australia), pp. 1497–1504.
- [199] Xiong, J, Abbass, H, & Shafi, K. (2012) *Multi-Uncertainty Problems (MUP) with Applications to Managing Risk in Resource-Constrained Project Scheduling* ed. Li, X. (Brisbane, Australia), pp. 1505–1512.
- [200] Mitavskiy, B & He, J. (2012) *A Polynomial Time Approximation Scheme for a Single Machine Scheduling Problem Using a Hybrid Evolutionary Algorithm* ed. Li, X. (Brisbane, Australia), pp. 1513–1520.
- [201] While, L & Bradstreet, L. (2012) *Applying the WFG Algorithm to Calculate Incremental Hypervolumes* ed. Li, X. (Brisbane, Australia), pp. 1521–1528.
- [202] 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* ed. Li, X. (Brisbane, Australia), pp. 1529–1537.
- [203] Yazdani, D, Akbarzadeh-Totonchi, M. R, Nasiri, B, & Meybodi, M. R. (2012) *A New Artificial Fish Swarm Algorithm for Dynamic Optimization Problems* ed. Li, X. (Brisbane, Australia), pp. 1538–1545.
- [204] Mezura-Montes, E & Lopez-Davila, E. A. (2012) *Adaptation and Local Search in the Modified Bacterial Foraging Algorithm for Constrained Optimization* ed. Li, X. (Brisbane, Australia), pp. 1546–1553.
- [205] Lemonge, A, Barbosa, H, & Bernardino, H. (2012) *A Family of Adaptive Penalty Schemes for Steady-state Genetic Algorithms* ed. Li, X. (Brisbane, Australia), pp. 1554–1561.
- [206] Orito, Y, Yamamoto, H, & Tsujimura, Y. (2012) *Equality Constrained Long-Short Portfolio Replication by Using Probabilistic Model-building GA* ed. Li, X. (Brisbane, Australia), pp. 1562–1569.
- [207] Ghosh, A, Ghosh, A, Chowdhury, A, Konar, A, Kim, E, & Nagar, A. K. (2012) *Linear Phase Low Pass FIR Filter Design Using Genetic Particle Swarm Optimization with Dynamically Varying Neighborhood Technique* ed. Li, X. (Brisbane, Australia), pp. 1570–1576.
- [208] Deep, K, Chauhan, P, & Pant, M. (2012) *Totally Disturbed Chaotic Particle Swarm Optimization* ed. Li, X. (Brisbane, Australia), pp. 1577–1584.
- [209] Ernst, A & Singh, G. (2012) *Lagrangian Particle Swarm Optimization for a Resource Constrained Machine Scheduling Problem* ed. Li, X. (Brisbane, Australia), pp. 1585–1592.
- [210] Fu, H, Sendhoff, B, Tang, K, & Yao, X. (2012) *Characterizing Environmental Changes in Robust Optimization Over Time* ed. Li, X. (Brisbane, Australia), pp. 1593–1600.
- [211] Xiao, L & Zuo, X. (2012) *Multi-DEPSO—a DE and PSO Based Hybrid Algorithm in Dynamic Environments* ed. Li, X. (Brisbane, Australia), pp. 1601–1607.
- [212] Yoo, J. H, Seok, H.-S, & Zhang, B.-T. (2012) *Evolutionary Particle Filtering for Sequential Dependency Learning from Video Data* ed. Li, X. (Brisbane, Australia), pp. 1608–1615.
- [213] Zamuda, A & Brest, J. (2012) *Tree Model Reconstruction Innovization Using Multi-objective Differential Evolution* ed. Li, X. (Brisbane, Australia), pp. 1616–1623.

- [214] Zhang, Z, Seah, H. S, & Sun, J. (2012) *A Hybrid Particle Swarm Optimization with Cooperative Method for Multi-Object Tracking* ed. Li, X. (Brisbane, Australia), pp. 1624–1629.
- [215] Al-Sahaf, H, Song, A, Neshatian, K, & Zhang, M. (2012) *Extracting Image Features for Classification By Two-Tier Genetic Programming* ed. Li, X. (Brisbane, Australia), pp. 1630–1637.
- [216] Liang, J. J, Qu, B, Suganthan, P. N, & Niu, B. (2012) *Dynamic Multi-Swarm Particle Swarm Optimization for Multi-Objective Optimization Problems* ed. Li, X. (Brisbane, Australia), pp. 1638–1645.
- [217] Britto, A & Pozo, A. (2012) *Using Archiving Methods to Control Convergence and Diversity for Many-Objective Problems in Particle Swarm Optimization* ed. Li, X. (Brisbane, Australia), pp. 1646–1653.
- [218] Junior, O. C, Britto, A, & Pozo, A. (2012) *A Comparison of Methods for Leader Selection in Many-Objective Problems* ed. Li, X. (Brisbane, Australia), pp. 1654–1661.
- [219] 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* ed. Li, X. (Brisbane, Australia), pp. 1662–1667.
- [220] Rahman, M. M & Dueck, G. (2012) *An Algorithm to Find Quantum Templates* ed. Li, X. (Brisbane, Australia), pp. 1668–1674.
- [221] Juan, X, Han-wu, C, Zhihao, L, Yue, R, & Wanning, Z. (2012) *Quantum secret sharing without exclusive OR of qubits' measuring results* ed. Li, X. (Brisbane, Australia), pp. 1675–1678.
- [222] Wenping, M, Yuanyuan, H, Congling, L, & Jing, L. (2012) *Image Segmentation Based On A Hybrid Immune Memetic Algorithm* ed. Li, X. (Brisbane, Australia), pp. 1679–1686.
- [223] Duma, M, Twala, B, Marwala, T, & Nelwamondo, F. (2012) *Classification with Missing Data using Multi-Layered Artificial Immune Systems* ed. Li, X. (Brisbane, Australia), pp. 1687–1694.
- [224] Zhang, W & Yen, G. (2012) *Immune-inspired Evolutionary Algorithm for Constrained Optimization* ed. Li, X. (Brisbane, Australia), pp. 1695–1702.
- [225] Ludwig, S. (2012) *Step-Optimized Particle Swarm Optimization* ed. Li, X. (Brisbane, Australia), pp. 1703–1711.
- [226] Epitropakis, M, Tasoulis, D, Pavlidis, N, Plagianakos, V, & Vrahatis, M. (2012) *Tracking Particle Swarm Optimizers: An adaptive approach through multinomial distribution tracking with exponential forgetting* ed. Li, X. (Brisbane, Australia), pp. 1712–1719.
- [227] Hendtlass, T. (2012) *Restarting Particle Swarm Optimisation* ed. Li, X. (Brisbane, Australia), pp. 1720–1728.
- [228] Segredo, E, Segura, C, & Leon, C. (2012) *Analysing the Robustness of Multiobjectivisation Parameters with Large Scale Optimisation Problems* ed. Li, X. (Brisbane, Australia), pp. 1729–1736.
- [229] 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* ed. Li, X. (Brisbane, Australia), pp. 1737–1742.
- [230] Lee, D, Gonzalez, L. F, Jacques, P, & Bugada, G. (2012) *Multi-Objective Design Optimization of Morphing UAV Aerofoil/Wing Using Hybridised MOGA* ed. Li, X. (Brisbane, Australia), pp. 1743–1750.
- [231] Liu, Z, Chen, H, Xu, J, Li, W, & Li, Z. (2012) *Deterministic Secure Quantum Communication with Mutual Authentication Based on Bell Measurement* ed. Li, X. (Brisbane, Australia), pp. 1751–1755.

- [232] Izadinia, H & Ebadzadeh, M. M. (2012) *Adaptive Quantum-Inspired Evolution Strategy* ed. Li, X. (Brisbane, Australia), pp. 1760–1767.
- [233] Borges, E, Ferrari, D. G, & de Castro, L. N. (2012) *Silhouette-Based Clustering using an Immune Network* ed. Li, X. (Brisbane, Australia), pp. 1768–1776.
- [234] Carraro, L. A & de Castro, L. N. (2012) *A Clonal Selection Algorithm to Minimize Reshuffling in Container Stacking Operations* ed. Li, X. (Brisbane, Australia), pp. 1777–1784.
- [235] Nascimento, A & Vasconcelos, G. (2012) *An Experimental Investigation of Artificial Immune System Algorithms for Credit Risk Assessment Applications* ed. Li, X. (Brisbane, Australia), pp. 1785–1792.
- [236] Lattarulo, V & Parks, G. T. (2012) *A Preliminary Study of a new Multi-objective Optimization Algorithm* ed. Li, X. (Brisbane, Australia), pp. 1793–1800.
- [237] Shim, V. A, Tan, K. C, & Tan, K. K. (2012) *A Hybrid Estimation of Distribution Algorithm for Solving the Multi-objective Multiple Traveling Salesman Problem* ed. Li, X. (Brisbane, Australia), pp. 1809–1816.
- [238] Lin, L, Ji, Z, Zhu, Z, & He, S. (2012) *A Crown Jewel Defense Strategy Based Particle Swarm Optimization* ed. Li, X. (Brisbane, Australia), pp. 1817–1822.
- [239] Deep, K, Chauhan, P, & Pant, M. (2012) *Multi Task Selection including Part Mix, Tool Allocation and Process Plans in CNC Machining Centers using New Binary PSO* ed. Li, X. (Brisbane, Australia), pp. 1823–1830.
- [240] Ji, Z, Tian, T, Zhu, Z, & He, S. (2012) *A Memory Binary Particle Swarm Optimization* ed. Li, X. (Brisbane, Australia), pp. 1831–1835.
- [241] Fajfar, I. (2012) *Selection Strategies and Random Perturbations in Differential Evolution* ed. Li, X. (Brisbane, Australia), pp. 1836–1842.
- [242] Zhang, X & Yuen, S. Y. (2012) *Opposition-Based Adaptive Differential Evolution* ed. Li, X. (Brisbane, Australia), pp. 1843–1850.
- [243] Barmada, S, Raugi, M, & Tucci, M. (2012) *Global Optimization Algorithm Based on Self-Organizing Centroids* ed. Li, X. (Brisbane, Australia), pp. 1851–1856.
- [244] Pilat, M & Neruda, R. (2012) *An Evolutionary Strategy for Surrogate-Based Multiobjective Optimization* ed. Li, X. (Brisbane, Australia), pp. 1857–1863.
- [245] Nag, K & Pal, T. (2012) *A new Archive based Steady State Genetic Algorithm* ed. Li, X. (Brisbane, Australia), pp. 1864–1870.
- [246] Kudo, F & Yoshikawa, T. (2012) *Knowledge Extraction in Multi-objective Optimization Problem based on Visualization of Pareto Solutions* ed. Li, X. (Brisbane, Australia), pp. 1871–1876.
- [247] Cervante, L, Xue, B, Zhang, M, & Shang, L. (2012) *Binary Particle Swarm Optimisation for Feature Selection: A Filter Based Approach* ed. Li, X. (Brisbane, Australia), pp. 1877–1884.
- [248] Zhang, G, Mahfouf, M, Panoutsos, G, & Wang, S. (2012) *A Multi-objective Particle Swarm Optimization Algorithm with a Dynamic Hypercube Archive, Mutation and Population Competition* ed. Li, X. (Brisbane, Australia), pp. 1885–1891.
- [249] Rada-Vilela, J, Zhang, M, & Seah, W. (2012) *A Performance Study on the Effects of Noise and Evaporation in Particle Swarm Optimization* ed. Li, X. (Brisbane, Australia), pp. 1892–1899.
- [250] Moser, I & Gheorghita, M. (2012) *Combining Search Space Diagnostics and Optimisation* ed. Li, X. (Brisbane, Australia), pp. 1900–1907.
- [251] Balcar, S, Pilat, M, & Neruda, R. (2012) *An Evolutionary Algorithm for 2D Semi-Guillotinable Circular Saw Cutting* ed. Li, X. (Brisbane, Australia), pp. 1908–1912.

- [252] Bruck, B, Santos, A, & Arroyo, J. (2012) *Hybrid metaheuristic for the single vehicle routing problem with deliveries and selective pickups* ed. Li, X. (Brisbane, Australia), pp. 1913–1920.
- [253] De Weerd, 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* ed. Li, X. (Brisbane, Australia), pp. 1921–1928.
- [254] Buijs, J, van Dongen, B, & van der Aals, W. (2012) *A Genetic Algorithm for Discovering Process Trees* ed. Li, X. (Brisbane, Australia), pp. 1929–1936.
- [255] Yang, Y, Mabou, S, & Hirasawa, K. (2012) *A Multitasks Learning Approach to Autonomous Agent based on Genetic Network Programming* ed. Li, X. (Brisbane, Australia), pp. 1937–1943.
- [256] Matayoshi, M. (2012) *Landscape Information Extraction from Chromosome based on a Quality Control Approach* ed. Li, X. (Brisbane, Australia), pp. 1944–1951.
- [257] Cheng, R, Yao, M, Xue, X, & Shen, B. (2012) *Bisexual Evolution: A Novel Bisexual Evolutionary Framework Based on the Fisher’s Runaway Process* ed. Li, X. (Brisbane, Australia), pp. 1952–1959.
- [258] Ludwig, S. (2012) *Clonal Selection based Genetic Algorithm for Workflow Service Selection* ed. Li, X. (Brisbane, Australia), pp. 1960–1966.
- [259] Albaity, H, Meshoul, S, & Kaban, A. (2012) *On Extending Quantum Behaved Particle Swarm Optimization to MultiObjective Context* ed. Li, X. (Brisbane, Australia), pp. 1967–1974.
- [260] Hadka, D, Reed, P, & Simpson, T. (2012) *Diagnostic Assessment of the Borg MOEA for Many-Objective Product Family Design Problems* ed. Li, X. (Brisbane, Australia), pp. 1975–1984.
- [261] Yuen, J, Gao, S, Wagner, M, & Neumann, F. (2012) *An Adaptive Data Structure for Evolutionary Multi-Objective Algorithms with Unbounded Archives* ed. Li, X. (Brisbane, Australia), pp. 1985–1992.
- [262] 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* ed. Li, X. (Brisbane, Australia), pp. 1993–2000.
- [263] Weerasinghe, M & Sofronov, G. (2012) *A Modified Cross Entropy Method for Detecting Multiple Change Points in DNA Count Data* ed. Li, X. (Brisbane, Australia), pp. 2001–2008.
- [264] 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* ed. Li, X. (Brisbane, Australia), pp. 2009–2016.
- [265] Chiong, R & Kirley, M. (2012) *The Evolution of Cooperation via Stigmergic Interactions* ed. Li, X. (Brisbane, Australia), pp. 2017–2024.
- [266] Anh, H. T, Luis, M. P, & Francisco, C. S. (2012) *Intention Recognition, Commitment and the Evolution of Cooperation* ed. Li, X. (Brisbane, Australia), pp. 2025–2032.
- [267] 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* ed. Li, X. (Brisbane, Australia), pp. 2033–2040.
- [268] Macharet, D, Neto, A. A, da Camara Neto, V, & Campos, M. (2012) *Data Gathering Tour Optimization for Dubins’ Vehicles* ed. Li, X. (Brisbane, Australia), pp. 2041–2048.
- [269] Riano, L & McGinnity, T. (2012) *A Robot that Autonomously Improves Skills by Evolving Computational Graphs* ed. Li, X. (Brisbane, Australia), pp. 2049–2056.
- [270] Bidlo, M & Vasicek, Z. (2012) *Evolution of Cellular Automata Using Instruction-Based Approach* ed. Li, X. (Brisbane, Australia), pp. 2057–2064.

- [271] Epitropakis, M, Plagianakos, V, & Vrahatis, M. (2012) *Multimodal Optimization Using Niching Differential Evolution with Index-based Neighborhoods* ed. Li, X. (Brisbane, Australia), pp. 2065–2072.
- [272] Mallipeddi, R & Lee, M. (2012) *Surrogate Model Assisted Ensemble Differential Evolution Algorithm* ed. Li, X. (Brisbane, Australia), pp. 2073–2080.
- [273] Wang, X & Tang, L. (2012) *Multi-objective optimization using a hybrid differential evolution algorithm* ed. Li, X. (Brisbane, Australia), pp. 2081–2088.
- [274] Sato, H, Hasegawa, Y, Bollegala, D, & Iba, H. (2012) *Probabilistic Model Building GP with Belief Propagation* ed. Li, X. (Brisbane, Australia), pp. 2089–2096.
- [275] Li, X, Li, B, Mabu, S, & Hirasawa, K. (2012) *A Continuous Estimation of Distribution Algorithm by Evolving Graph Structures Using Reinforcement Learning* ed. Li, X. (Brisbane, Australia), pp. 2097–2104.
- [276] Mishra, K & Gallagher, M. (2012) *Variable Screening for Reduced Dependency Modelling in Gaussian-based Continuous Estimation of Distribution Algorithms* ed. Li, X. (Brisbane, Australia), pp. 2105–2112.
- [277] Shim, V. A, Tan, K. C, & Tan, K. K. (2012) *A Hybrid Adaptive Evolutionary Algorithm in the Domination-based and Decomposition-based Frameworks of Multi-objective Optimization* ed. Li, X. (Brisbane, Australia), pp. 2113–2120.
- [278] Abello, M, Michalewicz, Z, & Bui, L. T. (2012) *A Reactive-Proactive Approach for Solving Dynamic Scheduling with Time-varying Number of Tasks* ed. Li, X. (Brisbane, Australia), pp. 2121–2130.
- [279] Mohammadi, A, Omidvar, M. N, & Li, X. (2012) *Reference Point Based Multi-objective Optimization Through Decomposition* ed. Li, X. (Brisbane, Australia), pp. 2131–2138.
- [280] Yuwono, M, Su, S. W, Moulton, B, & Nguyen, H. (2012) *Fast unsupervised learning method for rapid estimation of cluster centroids* ed. Li, X. (Brisbane, Australia), pp. 2139–2146.
- [281] Atyabi, A, Luerssen, M, Fitzgibbon, S. P, & Powers, D. M. W. (2012) *Dimension Reduction in EEG Data using Particle Swarm Optimization* ed. Li, X. (Brisbane, Australia), pp. 2147–2154.
- [282] Atyabi, A, Luerssen, M, Fitzgibbon, S. P, & Powers, D. M. W. (2012) *Adapting Subject-Independent Task-Specific EEG Feature Masks using PSO* ed. Li, X. (Brisbane, Australia), pp. 2155–2161.
- [283] Munoz, M. A, Kirley, M, & Halgamuge, S. (2012) *Landscape Characterization of Numerical Optimization Problems Using Biased Scattered Data* ed. Li, X. (Brisbane, Australia), pp. 2162–2169.
- [284] Shimoyama, K, Sato, K, Jeong, S, & Obayashi, S. (2012) *Comparison of the Criteria for Updating Kriging Response Surface Models in Multi-Objective Optimization* ed. Li, X. (Brisbane, Australia), pp. 2170–2177.
- [285] Arias-Montano, A, Coello Coello, C. A, & Mezura-Montes, E. (2012) *Multi-Objective Airfoil Shape Optimization Using a Multiple-Surrogate Approach* ed. Li, X. (Brisbane, Australia), pp. 2178–2185.
- [286] Sengupta, S, Das, S, Nasir, M, Vasilakos, A. V, & Pedrycz, W. (2012) *Energy-Efficient Differentiated Coverage of Dynamic Objects using an Improved Evolutionary Multi-objective optimization Algorithm with Fuzzy-Dominance* ed. Li, X. (Brisbane, Australia), pp. 2186–2193.
- [287] Huo, C.-L, Lin, S.-Y, Lai, T.-Y, Lien, Y.-S, & Sun, T.-Y. (2012) *Multi-Objective Differential Evolution with Taguchi-based Adjustable Proportional Distribution* ed. Li, X. (Brisbane, Australia), pp. 2194–2201.

- [288] Liu, R, Wang, X, Li, Y, & Xiangrong, Z. (2012) *Multi-objective Invasive Weed Optimization Algorithm for Clustering* ed. Li, X. (Brisbane, Australia), pp. 2202–2209.
- [289] Dick, G. (2012) *Niche Allocation in Spatially-Structured Evolutionary Algorithms with Gradients* ed. Li, X. (Brisbane, Australia), pp. 2210–2217.
- [290] Leitao, A, Pereira, F. B, & Machado, P. (2012) *Enhancing Cluster Geometry Optimization with Island Models* ed. Li, X. (Brisbane, Australia), pp. 2218–2225.
- [291] Dorronsoro, B & Bouvry, P. (2012) *Study of Different Small-world Topology Generation Mechanisms for Genetic Algorithms* ed. Li, X. (Brisbane, Australia), pp. 2226–2233.
- [292] Tao, Y, Cao, J, Zhang, Y, Lin, J, & Li, M. (2012) *Using Module-level Evolvable hardware Approach in Design of Sequential Logic Circuits* ed. Li, X. (Brisbane, Australia), pp. 2234–2241.
- [293] Moraglio, A, Otero, F, Johnson, C, Thompson, S, & Freitas, A. (2012) *Evolving Recursive Programs using Non-recursive Scaffolding* ed. Li, X. (Brisbane, Australia), pp. 2242–2249.
- [294] Castle, T & Johnson, C. (2012) *Evolving Program Trees with Limited Scope Variable Declarations* ed. Li, X. (Brisbane, Australia), pp. 2250–2257.
- [295] El-Bouri, A. (2012) *An Investigation of Initial Solutions on the Performance of an Iterated Local Search Algorithm for the Permutation Flowshop* ed. Li, X. (Brisbane, Australia), pp. 2258–2262.
- [296] Bansal, R, Srivastava, K, & Srivastava, S. (2012) *A Hybrid Evolutionary Algorithm for the Cutwidth Minimization Problem* ed. Li, X. (Brisbane, Australia), pp. 2263–2270.
- [297] Wu, Z, Xu, L, Chow, T. W. S, & Zhao, M. (2012) *Local Cooperation Delivers Global Optimization* ed. Li, X. (Brisbane, Australia), pp. 2271–2278.
- [298] Johnson, C. (2012) *Search-based Evolutionary Operators for Extensionally-defined Search Spaces: Applications to Image Search* ed. Li, X. (Brisbane, Australia), pp. 2279–2285.
- [299] Cancino, W, Boukhelifa, N, & Lutton, E. (2012) *EvoGraphDice: Interactive Evolution for Visual Analytics* ed. Li, X. (Brisbane, Australia), pp. 2286–2293.
- [300] Sinha, A, Pandey, A, & Deb, K. (2012) *Solving High Objective Problems in Fixed Interactions with the Decision Maker* ed. Li, X. (Brisbane, Australia), pp. 2294–2301.
- [301] Szabo, C & Kroeger, T. (2012) *Evolving Multi-objective Strategies for Task Allocation of Scientific Workflows on Public Clouds* ed. Li, X. (Brisbane, Australia), pp. 2302–2309.
- [302] Stringer, J, Lamont, G, & Akers, G. (2012) *Radar Phase-Coded Waveform Design using Multi-Objective Evolutionary Algorithms* ed. Li, X. (Brisbane, Australia), pp. 2310–2317.
- [303] Ryu, S.-J, Lee, K.-B, & Kim, J.-H. (2012) *Improved Version of a Multiobjective Quantum-inspired Evolutionary Algorithm with Preference-based Selection* ed. Li, X. (Brisbane, Australia), pp. 2318–2324.
- [304] Jordan, C. D & Kroeger, T. (2012) *An Evolutionary Algorithm for Bilevel Optimisation of Men's Team Pursuit Track Cycling* ed. Li, X. (Brisbane, Australia), pp. 2325–2332.
- [305] Sinha, A, Malo, P, & Deb, K. (2012) *Unconstrained Scalable Test Problems for Single-Objective Bilevel Optimization* ed. Li, X. (Brisbane, Australia), pp. 2333–2340.
- [306] Wesolkowski, S, Wojtaszek, D, & Willick, K. (2012) *Multi-objective Optimization of the Fleet Mix Problem Using the SaFER Model* ed. Li, X. (Brisbane, Australia), pp. 2341–2348.
- [307] Tsuji, M, Sato, M, Tanabe, A, Inagaki, Y, & Hashimoto, T. (2012) *An Asynchronous Parallel Genetic Algorithm for the Maximum Likelihood Phylogenetic Tree Search* ed. Li, X. (Brisbane, Australia), pp. 2349–2356.
- [308] Yusoh, Z. M & Tang, M. (2012) *Clustering Composite SaaS Components in Cloud Computing using a Grouping Genetic Algorithm* ed. Li, X. (Brisbane, Australia), pp. 2357–2364.



- [309] Chira, C, Gog, A, & Iclanzan, D. (2012) *Evolutionary Detection of Community Structures in Complex Networks: a New Fitness Function* ed. Li, X. (Brisbane, Australia), pp. 2365–2372.
- [310] Kim, K, McKay, B. R, & Nguyen Xuan Hoai. (2012) *Implicit Bias in Grammar-based Estimation of Distribution Genetic Programming: The Effects of Recursive Structure* ed. Li, X. (Brisbane, Australia), pp. 2373–2380.
- [311] Nicolau, M, O’Neill, M, & Brabazon, A. (2012) *Termination in Grammatical Evolution: Grammar Design, Wrapping, and Tails* ed. Li, X. (Brisbane, Australia), pp. 2381–2388.
- [312] Hanada, Y, Hosokawa, N, Ono, K, & Muneyasu, M. (2012) *Effectiveness of Multi-step Crossover Fusions in Genetic Programming* ed. Li, X. (Brisbane, Australia), pp. 2389–2396.
- [313] Rohler, A. B & Chen, S. (2012) *Multi-swarm hybrid for multi-modal optimization* ed. Li, X. (Brisbane, Australia), pp. 2397–2404.
- [314] Aleti, A, Moser, I, & Mostaghim, S. (2012) *Adaptive Range Parameter Control* ed. Li, X. (Brisbane, Australia), pp. 2405–2412.
- [315] Liang, J. J, X. B, M, Qu, B. Y, Niu, B, & Chen, T. J. (2012) *Elite Multi-Group Differential Evolution* ed. Li, X. (Brisbane, Australia), pp. 2413–2419.
- [316] Knittel, A. (2012) *Learning Feature Hierarchies under Reinforcement* ed. Li, X. (Brisbane, Australia), pp. 2420–2427.
- [317] Williams, H & Browne, W. (2012) *Integration of Learning Classifier Systems with Simultaneous Localisation and Mapping for Autonomous Robotics* ed. Li, X. (Brisbane, Australia), pp. 2428–2435.
- [318] Sengupta, A, Chakraborti, T, Konar, A, Kim, E, & Nagar, A. K. (2012) *An Adaptive Memetic Algorithm Using a Synergy of Differential Evolution and Learning Automata* ed. Li, X. (Brisbane, Australia), pp. 2436–2443.
- [319] Bhowmik, P, Rakshit, P, Konar, A, Kim, E, & Nagar, A. K. (2012) *DE-TDQL: An Adaptive Memetic Algorithm* ed. Li, X. (Brisbane, Australia), pp. 2444–2451.
- [320] Jones, G, Lovell, C, Gunn, S, Morgan, H, & Zauner, K.-P. (2012) *Enabling the Discovery of Computational Characteristics of Enzyme Dynamics* ed. Li, X. (Brisbane, Australia), pp. 2452–2459.
- [321] Poon, J, Yin, D, Poon, S, Zhang, R, Liu, B, & Sze, D. (2012) *Co-evolution of Symptom-Herb Relationship* ed. Li, X. (Brisbane, Australia), pp. 2460–2465.
- [322] Nguyen, H & Wood, I. (2012) *Variable selection in statistical models using population-based incremental learning with applications to genome-wide association studies* ed. Li, X. (Brisbane, Australia), pp. 2466–2473.
- [323] Sandran, T, Zakaria, N, & Pal, A. J. (2012) *Performance Profile of Some Hybrid Heuristic Search Techniques using Compiler Flag Selection as a Seed Example* ed. Li, X. (Brisbane, Australia), pp. 2474–2478.
- [324] Liu, B, Zhang, Q, Fernandez, F. V, & Gielen, G. (2012) *Self-adaptive Lower Confidence Bound: A New General and Effective Prescreening Method for Gaussian Process Surrogate Model Assisted Evolutionary Algorithms* ed. Li, X. (Brisbane, Australia), pp. 2479–2484.
- [325] Couckuyt, I, Deschrijver, D, & Dhaene, T. (2012) *Towards Efficient Multiobjective Optimization: Multiobjective Statistical Criteria* ed. Li, X. (Brisbane, Australia), pp. 2485–2492.
- [326] 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* ed. Li, X. (Brisbane, Australia), pp. 2493–2500.

- [327] Semenkin, E & Semenkina, M. (2012) *Self-configuring genetic programming algorithm with modified uniform crossover* ed. Li, X. (Brisbane, Australia), pp. 2501–2506.
- [328] Xie, F, Song, A, & Ciesielski, V. (2012) *Event Detection in Time Series by Genetic Programming* ed. Li, X. (Brisbane, Australia), pp. 2507–2514.
- [329] 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* ed. Li, X. (Brisbane, Australia), pp. 2515–2520.
- [330] 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* ed. Li, X. (Brisbane, Australia), pp. 2521–2528.
- [331] Rotaru, C & Brudaru, O. (2012) *Multi-grid Cellular Genetic Algorithm for Optimizing Variable Ordering of ROBDDs* ed. Li, X. (Brisbane, Australia), pp. 2529–2536.
- [332] Chen, S, Xudiera, C, & Montgomery, J. (2012) *Simulated Annealing with Threshold Convergence* ed. Li, X. (Brisbane, Australia), pp. 2537–2543.
- [333] hui Zhan, Z, Zhang, J, hui Shi, Y, & Hai-lin, L. (2012) *A Modified Brain Storm Optimization* ed. Li, X. (Brisbane, Australia), pp. 2544–2551.
- [334] Srivastava, S & Anand, Y. (2012) *An Intelligent System to Address Occupational Health of Workers Exposed to High Risk Jobs* ed. Li, X. (Brisbane, Australia), pp. 2552–2558.
- [335] Bashir, H & Neville, R. (2012) *Convergence Measurement in Evolutionary Computation using Price’s Theorem* ed. Li, X. (Brisbane, Australia), pp. 2559–2566.
- [336] Paul, S, Kumar, S, & Singh, L. (2012) *Novel Hybrid Compact Genetic Algorithm for Simultaneous Structure and Parameter Learning of Neural Networks* ed. Li, X. (Brisbane, Australia), pp. 2567–2572.
- [337] Lopez, O. J. R & de Antonio, A. (2012) *Evolving the way of doing the right thing* ed. Li, X. (Brisbane, Australia), pp. 2573–2580.
- [338] Rabelo, R, Fernandes, R, & Silva, I. (2012) *Operational Planning of Hydrothermal Systems Based on a Fuzzy-PSO Approach* ed. Li, X. (Brisbane, Australia), pp. 2581–2588.
- [339] Yang, L. (2012) *Adaptive Learning Evaluation Model For Evolutionary Art* ed. Li, X. (Brisbane, Australia), pp. 2589–2596.
- [340] Huang, H. E, Ong, Y.-S, & Chen, X. (2012) *Autonomous Flock Brush for Non-Photorealistic Rendering* ed. Li, X. (Brisbane, Australia), pp. 2597–2604.
- [341] Unemi, T. (2012) *SBArt4 for an Automatic Evolutionary Art* ed. Li, X. (Brisbane, Australia), pp. 2605–2612.
- [342] Seah, C.-W, Ong, Y.-S, Tsang, I. W, & Jiang, S. (2012) *Pareto Rank Learning in Multi-objective Evolutionary Algorithms* ed. Li, X. (Brisbane, Australia), pp. 2613–2620.
- [343] Lepagnot, J, Nakib, A, Oulhadj, H, & Siarry, P. (2012) *A Dynamic Multi-Agent Algorithm Applied to Challenging Benchmark Problems* ed. Li, X. (Brisbane, Australia), pp. 2621–2628.
- [344] Hui, S & Suganthan, P. N. (2012) *Ensemble Differential Evolution with Dynamic Subpopulations and Adaptive Clearing for solving Dynamic Optimization Problems* ed. Li, X. (Brisbane, Australia), pp. 2629–2636.
- [345] Dahlstedt, P. (2012) *Turn-Based Evolution as a Proposed Implementation of Artistic Creative Process* ed. Li, X. (Brisbane, Australia), pp. 2637–2643.
- [346] Liu, C.-H & Ting, C.-K. (2012) *Polyphonic Accompaniment Using Genetic Algorithm with Music Theory* ed. Li, X. (Brisbane, Australia), pp. 2644–2650.

- [347] Asafuddoula, M, Ray, T, Sarker, R, & Alam, K. (2012) *An Adaptive Constraint Handling Approach Embedded MOEA/D* ed. Li, X. (Brisbane, Australia), pp. 2651–2658.
- [348] Puris, A, Bello, R, Molina, D, & Herrera, F. (2012) *Optimising real parameters using the information of a mesh of solutions: VMO algorithm* ed. Li, X. (Brisbane, Australia), pp. 2659–2665.
- [349] Jiang, Y, Tsai, P, Hao, Z, & Cao, L. (2012) *A Novel Auto-Parameters Selection Process For Image Segmentation* ed. Li, X. (Brisbane, Australia), pp. 2666–2672.
- [350] Sun, X, Yang, L, Gong, D, & Li, M. (2012) *Interactive Genetic Algorithm Assisted with Group Decision Making-based Collective Intelligence* ed. Li, X. (Brisbane, Australia), pp. 2673–2680.
- [351] Zhang, X, Zhang, E, & Li, R. (2012) *Optimized Feature Extraction by Immune Clonal Selection Algorithm* ed. Li, X. (Brisbane, Australia), pp. 2681–2686.
- [352] 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* ed. Li, X. (Brisbane, Australia), pp. 2687–2693.
- [353] Daniels, B, Corns, S, & Cudney, E. (2012) *A Comparison of Representations for the Prediction of Ground-Level Ozone Concentration* ed. Li, X. (Brisbane, Australia), pp. 2694–2701.
- [354] Fu, W, Johnston, M, & Zhang, M. (2012) *Genetic Programming for Edge Detection via Balancing Individual Training Images* ed. Li, X. (Brisbane, Australia), pp. 2702–2709.
- [355] Abdulhamid, F, Song, A, Neshatian, K, & Zhang, M. (2012) *Evolving Genetic Programming Classifiers with Loop Structures* ed. Li, X. (Brisbane, Australia), pp. 2710–2717.
- [356] Sandin, I, Andrade, G, Viegas, F, Madeira, D, Rocha, L, Salles, T, & Goncalves, M. A. (2012) *Aggressive and Effective Feature Selection using Genetic Programming* ed. Li, X. (Brisbane, Australia), pp. 2718–2725.
- [357] Helbig, M & Engelbrecht, A. (2012) *Analyses of Guide Update Approaches for Vector Evaluated Particle Swarm Optimisation on Dynamic Multi-Objective Optimisation Problems* ed. Li, X. (Brisbane, Australia), pp. 2726–2733.
- [358] Li, C, Yang, S, & Yang, M. (2012) *Maintaining Diversity by Clustering in Dynamic Environments* ed. Li, X. (Brisbane, Australia), pp. 2734–2741.
- [359] Duhain, J & Engelbrecht, A. (2012) *Towards a More Complete Classification System for Dynamically Changing Environments* ed. Li, X. (Brisbane, Australia), pp. 2742–2749.
- [360] Hsu, W.-H & Chiang, T.-C. (2012) *A Multiobjective Evolutionary Algorithm with Enhanced Reproduction Operators for the Vehicle Routing Problem with Time Windows* ed. Li, X. (Brisbane, Australia), pp. 2750–2757.
- [361] Liao, X.-L & Ting, C.-K. (2012) *Evolutionary Algorithms Using Adaptive Mutation for the Selective Pickup and Delivery Problem* ed. Li, X. (Brisbane, Australia), pp. 2758–2765.
- [362] Mavrovouniotis, M & Yang, S. (2012) *Ant colony optimization with memory-based immigrants for the dynamic vehicle routing problem* ed. Li, X. (Brisbane, Australia), pp. 2766–2773.
- [363] Baydin, A. G & de Mantaras, R. L. (2012) *Evolution of Ideas: A Novel Memetic Algorithm Based on Semantic Networks* ed. Li, X. (Brisbane, Australia), pp. 2774–2781.
- [364] Bui, V, Bender, A, & Abbass, H. (2012) *An Expressive GL-2 Grammar for Representing Story-like Scenarios* ed. Li, X. (Brisbane, Australia), pp. 2782–2789.
- [365] Montgomery, J & Chen, S. (2012) *A Simple Strategy for Maintaining Diversity and Reducing Crowding in Differential Evolution* ed. Li, X. (Brisbane, Australia), pp. 2790–2797.
- [366] Huo, C.-L, Lien, Y.-S, Yu, Y.-H, & Sun, T.-Y. (2012) *Effectively Multi-Swarm Sharing Management for Differential Evolution* ed. Li, X. (Brisbane, Australia), pp. 2798–2805.

- [367] Koloseni, D, Lampinen, J, & Luukka, P. (2012) *Differential Evolution Classifier with Optimized Distance Measures from a Pool of Distances* ed. Li, X. (Brisbane, Australia), pp. 2806–2812.
- [368] Feng, L, Ong, Y. S, Tsang, I, & Tan, A. H. (2012) *An Evolutionary Search Paradigm that Learns with Past Experiences* ed. Li, X. (Brisbane, Australia), pp. 2813–2820.
- [369] Lin, J.-Y & ping Chen, Y. (2012) *When and What Kind of Memetic Algorithms Perform Well* ed. Li, X. (Brisbane, Australia), pp. 2821–2828.
- [370] Bashir, H & Neville, R. (2012) *A Hybrid Evolutionary Computation Algorithm for Global Optimization* ed. Li, X. (Brisbane, Australia), pp. 2829–2836.
- [371] Zhu, L, Cao, L, & Yang, J. (2012) *Multiobjective Evolutionary Algorithm-Based Soft Subspace Clustering* ed. Li, X. (Brisbane, Australia), pp. 2837–2844.
- [372] Vahdat, A, Heywood, M. I, & Zincir-Heywood, A. N. (2012) *Symbiotic Evolutionary Subspace Clustering* ed. Li, X. (Brisbane, Australia), pp. 2845–2852.
- [373] Segretier, W, Clergue, M, Collard, M, & Izquierdo, L. (2012) *An evolutionary data mining approach on hydrological data with classifier juries* ed. Li, X. (Brisbane, Australia), pp. 2853–2860.
- [374] Zhao, S.-Z & Suganthan, P. N. (2012) *Comprehensive Comparison of Convergence Performance of Optimization Algorithms based on Nonparametric Statistical Tests* ed. Li, X. (Brisbane, Australia), pp. 2861–2867.
- [375] Brest, J, Boskovic, B, Zamuda, A, Fister, I, & Maucec, M. S. (2012) *Self-Adaptive Differential Evolution Algorithm with a Small and Varying Population Size* ed. Li, X. (Brisbane, Australia), pp. 2868–2875.
- [376] Takahama, T & Sakai, S. (2012) *Large Scale Optimization by Differential Evolution with Landscape Modality Detection and a Diversity Archive* ed. Li, X. (Brisbane, Australia), pp. 2876–2883.
- [377] Kumar, P & Pant, M. (2012) *Enhanced Mutation Strategy for Differential Evolution* ed. Li, X. (Brisbane, Australia), pp. 2884–2889.
- [378] Chen, M.-L & Wang, F.-S. (2012) *Fuzzy optimization for a batch simultaneous saccharification and co-fermentation process by hybrid differential evolution* ed. Li, X. (Brisbane, Australia), pp. 2890–2897.
- [379] Ramos, J. E & Vazquez, R. A. (2012) *A New Objective Function to build Seismic Networks using Differential Evolution* ed. Li, X. (Brisbane, Australia), pp. 2898–2904.
- [380] Zhu, Z, Liu, W, Ji, Z, & He, S. (2012) *Memetic Clustering Based on Particle Swarm Optimizer and K-Means* ed. Li, X. (Brisbane, Australia), pp. 2905–2910.
- [381] 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* ed. Li, X. (Brisbane, Australia), pp. 2911–2918.
- [382] Liang, J. J, Ma, S. T, Qu, B. Y, & Niu, B. (2012) *Strategy Adaptive Memetic Crowding Differential Evolution For Multimodal Optimization* ed. Li, X. (Brisbane, Australia), pp. 2919–2925.
- [383] Hancer, E, Ozturk, C, & Karaboga, D. (2012) *Artificial Bee Colony Based Image Clustering* ed. Li, X. (Brisbane, Australia), pp. 2926–2930.
- [384] Akay, B & Kirmizi, I. (2012) *Structural Optimization of Wavelet Packets using Swarm Algorithms* ed. Li, X. (Brisbane, Australia), pp. 2931–2935.
- [385] Chen, A. H.-L, Liang, Y.-C, & Liu, C.-C. (2012) *An Artificial Bee Colony Algorithm for the Cardinality-Constrained Portfolio Optimization Problems* ed. Li, X. (Brisbane, Australia), pp. 2936–2943.

- [386] Beer, C, Hendtlass, T, & Montgomery, J. (2012) *Improving Exploration in Ant Colony Optimisation with Antennation* ed. Li, X. (Brisbane, Australia), pp. 2944–2951.
- [387] Conti, C. R, Roisenberg, M, & Neto, G. S. (2012) *ACOR-V - an Algorithm that Incorporates the Visibility Heuristic to the ACO in Continuous Domain* ed. Li, X. (Brisbane, Australia), pp. 2952–2959.
- [388] 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 Algortihm* ed. Li, X. (Brisbane, Australia), pp. 2960–2967.
- [389] Pei, Y & Takagi, H. (2012) *Fourier Analysis of the Fitness Landscape for Evolutionary Search Acceleration* ed. Li, X. (Brisbane, Australia), pp. 2968–2974.
- [390] Chow, C. K & Yuen, S. Y. (2012) *Continuous Non-revisiting Genetic Algorithm with Overlapped Search Sub-Region* ed. Li, X. (Brisbane, Australia), pp. 2975–2982.
- [391] Yu, J. J, Lam, A. Y, & Li, V. O. (2012) *Real-Coded Chemical Reaction Optimization with Different Perturbation Functions* ed. Li, X. (Brisbane, Australia), pp. 2983–2990.
- [392] Zhang, L, He, R, & Yan, M. (2012) *Heterogeneous double populations based hybrid genetic algorithm design for training feedforward neural networks* ed. Li, X. (Brisbane, Australia), pp. 2991–2998.
- [393] Pisani, P. H & Lorena, A. C. (2012) *Evolutionary Neural Networks Applied to Keystroke Dynamics: Genetic and Immune Based* ed. Li, X. (Brisbane, Australia), pp. 2999–3006.
- [394] Yuwono, M, Su, S. W, Moulton, B, & Nguyen, H. (2012) *Method for increasing the computation speed of an unsupervised learning approach for data clustering* ed. Li, X. (Brisbane, Australia), pp. 3007–3014.
- [395] Fister, I, Fister, Jr., I, Brest, J, & Zumer, V. (2012) *Memetic Artificial Bee Colony Algorithm for Large-Scale Global Optimization* ed. Li, X. (Brisbane, Australia), pp. 3015–3022.
- [396] Cheng, S, Shi, Y, & Qin, Q. (2012) *Dynamical Exploitation Space Reduction in Particle Swarm Optimization for Solving Large Scale Problems* ed. Li, X. (Brisbane, Australia), pp. 3023–3030.
- [397] Zhang, K & Li, B. (2012) *Cooperative Coevolution with Global Search for Large Scale Global Optimization* ed. Li, X. (Brisbane, Australia), pp. 3031–3037.
- [398] Karabulut, K & Tasgetiren, M. F. (2012) *A Discrete Artificial Bee Colony Algorithm for the Traveling Salesman Problem with Time Windows* ed. Li, X. (Brisbane, Australia), pp. 3038–3044.
- [399] Sharma, T. K, Pant, M, & Bansal, J. C. (2012) *Artificial Bee Colony with Mean Mutation Operator for Better Exploitation* ed. Li, X. (Brisbane, Australia), pp. 3045–3051.
- [400] El-Abd, M. (2012) *Generalized Opposition-Based Artificial Bee Colony Algorithm* ed. Li, X. (Brisbane, Australia), pp. 3052–3055.
- [401] Esteves, V. M, Sousa, J. M, Silva, C. A, Pova, A. P. B, & Gomes, M. I. (2012) *SCant-Design: Closed Loop Supply Chain Design using Ant Colony Optimization* ed. Li, X. (Brisbane, Australia), pp. 3056–3063.
- [402] 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* ed. Li, X. (Brisbane, Australia), pp. 3064–3071.
- [403] guan Wang, W, biao Ling, Y, Zhang, J, & ping Wang, Y. (2012) *Ant Colony Optimization Algorithm for Analog Filter Design* ed. Li, X. (Brisbane, Australia), pp. 3072–3077.
- [404] Bukhtoyarov, V & Semenko, E. (2012) *Neural Networks Ensemble Approach for Detecting Attacks in Computer Networks* ed. Li, X. (Brisbane, Australia), pp. 3078–3083.

- [405] Lam, A. Y, Li, V. O, & Wei, Z. (2012) *Chemical Reaction Optimization for the Fuzzy Rule Learning Problem* ed. Li, X. (Brisbane, Australia), pp. 3084–3091.
- [406] Sergeevich, A & Bartlett, S. (2012) *Optimizing qubit Hamiltonian parameter estimation algorithm using PSO* ed. Li, X. (Brisbane, Australia), pp. 3092–3094.
- [407] Liu, W, Ji, Z, Zhu, Z, & He, S. (2012) *Survival Analysis of Gene Expression Data Using PSO Based Radial Basis Function Networks* ed. Li, X. (Brisbane, Australia), pp. 3095–3099.
- [408] Hsiao, P.-C, Chiang, T.-C, & Fu, L.-C. (2012) *Particle Swarm Optimization for the Minimum Energy Broadcast Problem in Wireless Ad-Hoc Networks* ed. Li, X. (Brisbane, Australia), pp. 3100–3107.
- [409] Ahmed, K & Shaheen, F. (2012) *PSO as a Meta-Search for Hyper-GA System to Evolve Optimal Agendas for Sequential Multi-Issue Negotiation* ed. Li, X. (Brisbane, Australia), pp. 3108–3115.
- [410] Jianchao, F & Min, H. (2012) *Nonlinear Model Predictive Control of Ball-Plate System based on Gaussian Particle Swarm Optimization* ed. Li, X. (Brisbane, Australia), pp. 3116–3121.
- [411] Richter, J & Moser, I. (2012) *A Distributed Multiobjective Approach to Negotiations in Semi-Competitive Environments* ed. Li, X. (Brisbane, Australia), pp. 3122–3128.
- [412] Zhou, A, Zhang, Q, & Zhang, G. (2012) *A Multiobjective Evolutionary Algorithm based on Decomposition and Probability Model* ed. Li, X. (Brisbane, Australia), pp. 3129–3136.
- [413] Datta, R & Deb, K. (2012) *An Adaptive Normalization based Constrained Handling Methodology with Hybrid Bi-Objective and Penalty Function Approach* ed. Li, X. (Brisbane, Australia), pp. 3137–3144.
- [414] Menchaca-Mendez, A & Coello Coello, C. A. (2012) *Solving Multi-Objective Optimization Problems using Differential Evolution and a Maximin Selection Criterion* ed. Li, X. (Brisbane, Australia), pp. 3145–3152.
- [415] yan Sun, X, shan Chen, S, & ping Ma, X. (2012) *Semi-supervised Ranking SVM-assisted IGA with Hierarchical Evaluations* ed. Li, X. (Brisbane, Australia), pp. 3153–3160.
- [416] Kattan, A & Galvan, E. (2012) *Evolving Radial Basis Function Networks via GP for Estimating Fitness Values using Surrogate Models* ed. Li, X. (Brisbane, Australia), pp. 3161–3167.
- [417] Gong, D, Yang, L, Sun, X, & Li, M. (2012) *Applying knowledge of users with similar preference to construct surrogate models of IGAs* ed. Li, X. (Brisbane, Australia), pp. 3168–3175.
- [418] Cheng, S, Shi, Y, & Qin, Q. (2012) *Particle Swarm Optimization based Semi-Supervised Learning on Chinese Text Categorization* ed. Li, X. (Brisbane, Australia), pp. 3176–3183.
- [419] Alghamdi, H, Tang, L, & Alshomrani, S. (2012) *Hybrid ACO and TOFA Feature Selection Approach for Text Classification* ed. Li, X. (Brisbane, Australia), pp. 3184–3189.
- [420] Tan, S. C. (2012) *Simplifying and Improving Swarm-based Clustering* ed. Li, X. (Brisbane, Australia), pp. 3190–3197.
- [421] Wu, Y, McCall, J, Corne, D, & Regnier-Coudert, O. (2012) *Landscape Analysis for Hyperheuristic Bayesian Network Structure Learning on Unseen Problems* ed. Li, X. (Brisbane, Australia), pp. 3198–3205.
- [422] Santana, R, Mendiburu, A, & Lozano, J. A. (2012) *Structural transfer using EDAs: An application to multi-marker tagging SNP selection* ed. Li, X. (Brisbane, Australia), pp. 3206–3213.
- [423] Haynes, D, Corns, S, & Venayagamoorthy, G. (2012) *An Exponential Moving Average Algorithm: Evolutionary Algorithms Applied to Sudoku Puzzles* ed. Li, X. (Brisbane, Australia), pp. 3214–3221.

- [424] Nguyen, M. V, Kirley, M, & Garcia-Flores, R. (2012) *Community Evolution in A Scientific Collaboration Network* ed. Li, X. (Brisbane, Australia), pp. 3222–3229.
- [425] Shelokar, P, Quirin, A, & Cordon, O. (2012) *Automatic Extraction of Common Research Areas in World Scientograms using the Multiobjective Subdue Algorithm* ed. Li, X. (Brisbane, Australia), pp. 3230–3237.
- [426] Liang, Y.-C & Juarez, J. R. C. (2012) *Multilevel Image Thresholding Using Relative Entropy and Virus Optimization Algorithm* ed. Li, X. (Brisbane, Australia), pp. 3238–3245.
- [427] Siriwardana, J & Halgamuge, S. (2012) *Fast Shortest Path Optimization Inspired by Shuttle Streaming of Physarum Polycephalum* ed. Li, X. (Brisbane, Australia), pp. 3246–3253.
- [428] Cao, H, Recknagel, F, & Orr, P. T. (2012) *The Experimental Study of Population-based Parameter Optimization Algorithms on Rule-based Ecological Modelling* ed. Li, X. (Brisbane, Australia), pp. 3254–3261.
- [429] Wei, X & Fujimura, S. (2012) *Parallel Quantum Evolutionary Algorithms with Client-Server Model for Multi-Objective Optimization on Discrete Problems* ed. Li, X. (Brisbane, Australia), pp. 3262–3269.
- [430] Pace, S, Cain, A, & Woodward, C. (2012) *A Consolidated Model of Particle Swarm Optimisation Variants* ed. Li, X. (Brisbane, Australia), pp. 3270–3277.
- [431] Kelly, S, Lichodziejewski, P, & Heywood, M. I. (2012) *On Run Time Libraries and Hierarchical Symbiosis* ed. Li, X. (Brisbane, Australia), pp. 3278–3285.
- [432] Gong, T & Shuai, L. (2012) *A Cross-Model Study on the Effect of Power-Laws on Language Evolution* ed. Li, X. (Brisbane, Australia), pp. 3286–3293.
- [433] Santos, T, Takahashi, R. H. C, & Moreira, G. J. P. (2012) *A CMA Stochastic Differential Equation Approach for Many-Objective Optimization* ed. Li, X. (Brisbane, Australia), pp. 3294–3299.
- [434] Kafafy, A, Bounekkar, A, & Bonnevey, S. (2012) *Hybrid Metaheuristics based on MOEA/D for 0/1 Multiobjective Knapsack Problems: A comparative study* ed. Li, X. (Brisbane, Australia), pp. 3300–3307.
- [435] Li, Y, Chen, J, Liu, R, & Wu, J. (2012) *A Spectral Clustering-Based Adaptive Hybrid Multi-Objective Harmony Search Algorithm for Community Detection* ed. Li, X. (Brisbane, Australia), pp. 3308–3315.
- [436] Hsiao, P.-C, Chiang, T.-C, & Fu, L.-C. (2012) *A VNS-based Hyper-heuristic with Adaptive Computational Budget of Local Search* ed. Li, X. (Brisbane, Australia), pp. 3316–3323.
- [437] Grobler, J, Engelbrecht, A. P, Kendall, G, & Yadavalli, S. (2012) *Investigating the Use of Local Search for Improving Meta-Hyper-Heuristic Performance* ed. Li, X. (Brisbane, Australia), pp. 3324–3331.
- [438] Nguyen, S, Zhang, M, Johnston, M, & Chen, T. K. (2012) *A Coevolution Genetic Programming Method to Evolve Scheduling Policies for Dynamic Multi-objective Job Shop Scheduling Problems* ed. Li, X. (Brisbane, Australia), pp. 3332–3339.
- [439] Sano, R, Shindo, T, Jin'no, K, & Saito, T. (2012) *PSO-based Multiple Optima Search Systems with Switched Topology* ed. Li, X. (Brisbane, Australia), pp. 3340–3346.
- [440] Gong, M, Cai, Q, Li, Y, & Ma, J. (2012) *An Improved Memetic Algorithm for Community Detection in Complex Networks* ed. Li, X. (Brisbane, Australia), pp. 3347–3354.
- [441] Liu, R, Liu, Y, & Li, Y. (2012) *An Improved Method for Multi-objective Clustering Ensemble Algorithm* ed. Li, X. (Brisbane, Australia), pp. 3355–3362.

- [442] Maia, R, De Castro, L, & Caminhas, W. (2012) *Bee Colonies as Model for Multimodal Continuous Optimization: The OptBees Algorithm* ed. Li, X. (Brisbane, Australia), pp. 3363–3370.
- [443] Caamano, P, Bellas, F, Becerra, J. A, Diaz, V, & Duro, R. J. (2012) *Experimental Analysis of the Relevance of Fitness Landscape Topographical Characterization* ed. Li, X. (Brisbane, Australia), pp. 3371–3378.
- [444] Si, C, Wang, L, & Wu, Q. (2012) *Mapping Constrained Optimization Problems to Algorithms and Constraint Handling Techniques* ed. Li, X. (Brisbane, Australia), pp. 3379–3386.
- [445] Ali, M, Salhie, A, & Reynolds, R. (2012) *Socio-Cultural Evolution via Neighborhood restructuring in Intricate Multi-Layered Networks* ed. Li, X. (Brisbane, Australia), pp. 3387–3394.
- [446] Reynolds, R & Gawasmeh, Y. (2012) *Evolving Heterogeneous Social Fabrics for the Solution of Real-Valued Optimization Problems using Cultural Algorithms* ed. Li, X. (Brisbane, Australia), pp. 3395–3402.
- [447] Ashlock, D & Ashlock, W. (2012) *Impact of Regulatory Genes On Optimization Behavior* ed. Li, X. (Brisbane, Australia), pp. 3403–3410.
- [448] Dower, S. (2012) *Automatic Implementation of Evolutionary Algorithms on GPUs using ESDL* ed. Li, X. (Brisbane, Australia), pp. 3411–3418.
- [449] Regnier-Coudert, O & McCall, J. (2012) *An Island Model Genetic Algorithm for Bayesian Network Structure Learning* ed. Li, X. (Brisbane, Australia), pp. 3419–3426.
- [450] Chakraborty, U, Das, S, & Abbott, T. (2012) *Energy-Efficient Routing in Hierarchical Wireless Sensor Networks Using Differential-Evolution-Based Memetic Algorithm* ed. Li, X. (Brisbane, Australia), pp. 3427–3434.
- [451] Huang, D, Xu, J.-X, Deng, X, Venkataramanan, V, & Tuong, H. T. C. (2012) *GA Based High-Order Peak Filter Design With Application to Compensation of Contact-Induced Vibration in HDD Servo Systems* ed. Li, X. (Brisbane, Australia), pp. 3435–3442.
- [452] Wang, L, Yang, B, Chen, Y, & Zhao, X. (2012) *Predict the Hydration of Portland Cement using Differential Evolution* ed. Li, X. (Brisbane, Australia), pp. 3443–3447.
- [453] Seredynski, M, Danoy, G, Masoud, T, Bouvry, P, & Yoann, P. (2012) *Generation of Realistic Mobility for VANETs Using Genetic Algorithms* ed. Li, X. (Brisbane, Australia), pp. 3448–3455.
- [454] Murakami, K. (2012) *A Genetic Algorithm for Probe Testing Problem on High-density PCB* ed. Li, X. (Brisbane, Australia), pp. 3456–3463.
- [455] Almakhlafi, A & Knowles, J. (2012) *Benchmarks for Maintenance Scheduling Problems in Power Generation* ed. Li, X. (Brisbane, Australia), pp. 3464–3471.
- [456] Roy, S, MartInez, S. Z, Coello Coello, C. A, & Sengupta, S. (2012) *A Multi-Objective Evolutionary Approach for Linear Antenna Array Design and Synthesis* ed. Li, X. (Brisbane, Australia), pp. 3472–3479.
- [457] MartInez, S. Z & Coello Coello, C. A. (2012) *A Direct Local Search Mechanism for Decomposition-based Multi-Objective Evolutionary Algorithms* ed. Li, X. (Brisbane, Australia), pp. 3480–3487.
- [458] 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* ed. Li, X. (Brisbane, Australia), pp. 3488–3494.



- [459] Santana, R, Mendiburu, A, & Lozano, J. A. (2012) *An analysis of the use of probabilistic modelling for synaptic connectivity prediction from genomic data* ed. Li, X. (Brisbane, Australia), pp. 3495–3502.
- [460] 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* ed. Li, X. (Brisbane, Australia), pp. 3503–3510.
- [461] Goh, J, Tang, L, Peto, T, & Saleh, G. (2012) *An Evolutionary Approach for Determining Hidden Markov Model for Medical Image Analysis* ed. Li, X. (Brisbane, Australia), pp. 3511–3518.
- [462] Gruenewald, A, Hardt, S, Mielke, M, & Brueck, R. (2012) *A decentralized Charge Management for Electric Vehicles using a Genetic Algorithm* ed. Li, X. (Brisbane, Australia), pp. 3519–3525.
- [463] Lima, M, Carrano, E, & Takahashi, R. (2012) *Multiobjective Planning of Wireless Local Area Networks (WLAN) Using Genetic Algorithms* ed. Li, X. (Brisbane, Australia), pp. 3526–3533.
- [464] Rabelo, R, Lemos, M, & Barbosa, D. (2012) *Power System Harmonics Estimation using Particle Swarm Optimization* ed. Li, X. (Brisbane, Australia), pp. 3534–3539.
- [465] 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* ed. Li, X. (Brisbane, Australia), pp. 3540–3546.
- [466] Herbawi, W & Weber, M. (2012) *The ridematching problem with time windows in dynamic ridesharing: A model and a genetic algorithm* ed. Li, X. (Brisbane, Australia), pp. 3547–3554.
- [467] Sun, Y, Lam, A. Y, Li, V. O, Xu, J, & Yu, J. J. (2012) *Chemical Reaction Optimization for the Optimal Power Flow Problem* ed. Li, X. (Brisbane, Australia), pp. 3555–3562.
- [468] Handa, H. (2012) *Use of Graph Kernels in Estimation of Distribution Algorithms* ed. Li, X. (Brisbane, Australia), pp. 3563–3568.
- [469] Smith-Miles, K & Tan, T. (2012) *Measuring Algorithm Footprints in Instance Space* ed. Li, X. (Brisbane, Australia), pp. 3569–3576.
- [470] Sharma, T. K, Pant, M, & Bansal, J. C. (2012) *Some Modifications to Enhance the Performance of Artificial Bee Colony* ed. Li, X. (Brisbane, Australia), pp. 3577–3584.
- [471] 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* ed. Li, X. (Brisbane, Australia), pp. 3585–3592.
- [472] Pirisi, A, Grimaccia, F, Mussetta, M, & Zich, R. E. (2012) *An Evolutionary Optimized Device for Energy Harvesting from Traffic* ed. Li, X. (Brisbane, Australia), pp. 3593–3598.
- [473] Britto, R, Neto, P. S, Rabelo, R, Ayala, W, & Soares, T. (2012) *A Hybrid Approach to Solve the Agile Team Allocation Problem* ed. Li, X. (Brisbane, Australia), pp. 3599–3606.
- [474] Tang, J, Alam, S, Lokan, C, & Abbass, H. (2012) *A Multi-objective Evolutionary Method for Dynamic Airspace Re-sectorization using Sectors Clipping and Similarities* ed. Li, X. (Brisbane, Australia), pp. 3607–3614.
- [475] Ulker, O & Landa-Silva, D. (2012) *Evolutionary Local Search for Solving the Office Space Allocation Problem* ed. Li, X. (Brisbane, Australia), pp. 3615–3622.
- [476] Toda, Y, Narita, T, & Kubota, N. (2012) *Information Visualization based on 3D Modeling for Human-friendly Teleoperation* ed. Li, X. (Brisbane, Australia), pp. 3623–3629.
- [477] Shelton, J, Dozier, G, Adams, J, & Alford, A. (2012) *Permutation-Based Biometric Authentication Protocols for Mitigating Replay Attacks* ed. Li, X. (Brisbane, Australia), pp. 3630–3634.

- [478] Wink, S, Baeck, T, & Emmerich, M. (2012) *A Meta-Genetic Algorithm for Solving the Capacitated Vehicle Routing Problem* ed. Li, X. (Brisbane, Australia), pp. 3635–3642.
- [479] Tasoulis, S, Epitropakis, M, Plagianakos, V, & Tasoulis, D. (2012) *Density Based Projection Pursuit Clustering* ed. Li, X. (Brisbane, Australia), pp. 3643–3650.
- [480] Wang, L, Xu, W, Mabu, S, & Hirasawa, K. (2012) *Rule Accumulation Method Based on Credit Genetic Network Programming* ed. Li, X. (Brisbane, Australia), pp. 3651–3658.
- [481] Kromer, P, Snasel, V, Platos, J, Kudelka, M, & Horak, Z. (2012) *An ACO Inspired Weighting Approach for the Spectral Partitioning of Co-authorship Networks* ed. Li, X. (Brisbane, Australia), pp. 3659–3665.