## Список литературы

- [1] H. Takenouchi, M. Tokumaru, and N. Muranaka, Performance Evaluation of Interactive Evolutionary Computation with Tournament-Style Evaluation, in *Proceedings of the 2012 IEEE Congress on Evolutionary Computation*, edited by X. Li, pages 1–8, Brisbane, Australia, 10-15 June 2012.
- [2] S. Gunnersen, K. Smith-Miles, and V. Lee, Towards Objective Data Selection in Bankruptcy Prediction, in *Proceedings of the 2012 IEEE Congress on Evolutionary Computation*, edited by X. Li, pages 9–16, Brisbane, Australia, 10-15 June 2012.
- [3] Z. Li, Z. Shang, J. J. Liang, and B. Niu, An Improved Differential Evolution for Constrained Optimization with Dynamic Constraint-Handling Mechanism, in *Proceedings of the 2012 IEEE Congress on Evolutionary Computation*, edited by X. Li, pages 17–22, Brisbane, Australia, 10-15 June 2012.
- [4] L. Vitorino, S. Ribeiro, and C. Bastos-Filho, A Hybrid Swarm Intelligence Optimizer based on Particles and Artificial Bees for High-Dimensional Search Spaces, in *Proceedings of the 2012 IEEE Congress on Evolutionary Computation*, edited by X. Li, pages 23–28, Brisbane, Australia, 10-15 June 2012.
- [5] Q. Jin and Z. Liang, A Naive Particle Swarm Optimization, in *Proceedings of the 2012 IEEE Congress on Evolutionary Computation*, edited by X. Li, pages 29–36, Brisbane, Australia, 10-15 June 2012.
- [6] J. de Armas, Y. Gonzalez, G. Miranda, and C. Leon, Parallelization of the Multi-Objective Container Loading Problem, in *Proceedings of the 2012 IEEE Congress on Evolutionary Computation*, edited by X. Li, pages 37–44, Brisbane, Australia, 10-15 June 2012.
- [7] L.-K. Lee, S.-Y. An, and S.-Y. Oh, Robust Fingertip Extraction with Improved Skin Color Segmentation for Finger Gesture Recognition in Human-Robot Interaction, in *Proceedings of the 2012 IEEE Congress on Evolutionary Computation*, edited by X. Li, pages 45–51, Brisbane, Australia, 10-15 June 2012.
- [8] M. Mussetta, H. Shadmehr, F. Grimaccia, A. Gandelli, and R. Zich, Optimization of a Radio Frequency Energy Harvesting Device, in *Proceedings of the 2012 IEEE Congress on Evolutionary Computation*, edited by X. Li, pages 52–56, Brisbane, Australia, 10-15 June 2012.
- [9] Z. Shang, L. Zhihui, J. J. Liang, and B. Niu, Control Parameters Self-Adaptation in Differential, in *Proceedings of the 2012 IEEE Congress on Evolutionary Computation*, edited by X. Li, pages 65–70, Brisbane, Australia, 10-15 June 2012.
- [10] L. Fonseca, H. Barbosa, and A. Lemonge, A study on fitness inheritance for enhanced efficiency in real-coded genetic algorithms, in *Proceedings of the 2012 IEEE Congress on Evolutionary Computation*, edited by X. Li, pages 71–78, Brisbane, Australia, 10-15 June 2012.
- [11] P. McCarthy, Path-sharing: A new betweenness measure for community identification in networks, in *Proceedings of the 2012 IEEE Congress on Evolutionary Computation*, edited by X. Li, pages 79–84, Brisbane, Australia, 10-15 June 2012.
- [12] L. O. Oliveira, R. L. Mota, and D. A. Barone, Clonal Selection Classifier with Data Reduction: Classification as an Optimization Task, in *Proceedings of the 2012 IEEE Congress on Evolutionary Computation*, edited by X. Li, pages 85–91, Brisbane, Australia, 10-15 June 2012.
- [13] F. Ortuno, J. P. Florido, J. M. Urquiza, H. Pomares, A. Prieto, and I. Rojas, Optimization of Multiple Sequence Alignment Methodologies using a Multiobjective Evolutionary Algorithm based on NSGA-II, in *Proceedings of the 2012 IEEE Congress on Evolutionary Computation*, edited by X. Li, pages 92–99, Brisbane, Australia, 10-15 June 2012.
- [14] S. H. Ch'ng and J. Teo, Online Evolution of Offensive Strategies in Real-Time Strategy Gaming, in *Proceedings of the 2012 IEEE Congress on Evolutionary Computation*, edited by X. Li, pages 100–107, Brisbane, Australia, 10-15 June 2012.

- [15] M. Witten and O. Clancey, An Evolutionary Algorithm for Optimization of Affine Transformation Parameters for Dose Matrix Warping in Patient-Specific Quality Assurance of Radiotherapy Dose Distributions, in *Proceedings of the 2012 IEEE Congress on Evolutionary Computation*, edited by X. Li, pages 108–111, Brisbane, Australia, 10-15 June 2012.
- [16] A. Alsheddy and M. Kampouridis, Off-line Parameter Tuning for Guided Local Search Using Genetic Programming, in *Proceedings of the 2012 IEEE Congress on Evolutionary Computation*, edited by X. Li, pages 112–116, Brisbane, Australia, 10-15 June 2012.
- [17] G. Nitschke, Behavioral Heterogeneity, Cooperation, and Collective Construction, in *Proceedings* of the 2012 IEEE Congress on Evolutionary Computation, edited by X. Li, pages 117–124, Brisbane, Australia, 10-15 June 2012.
- [18] S. Nikumbh, S. Ghosh, and V. Jayaraman, Biogeography-Based Informative Gene Selection and Cancer Classification Using SVM and Random Forests, in *Proceedings of the 2012 IEEE Congress on Evolutionary Computation*, edited by X. Li, pages 131–136, Brisbane, Australia, 10-15 June 2012.
- [19] W. Herbawi and M. Weber, A Genetic Local Search Algorithm for Multiobjective Time-dependent Route Planning, in *Proceedings of the 2012 IEEE Congress on Evolutionary Computation*, edited by X. Li, pages 137–143, Brisbane, Australia, 10-15 June 2012.
- [20] T. Logenthiran, S. Dipti, M. K. Ashwin, and T. S. Raj, Optimal Sizing of Distributed Energy Resources for Integrated Microgrids using Evolutionary Strategy, in *Proceedings of the 2012 IEEE Congress on Evolutionary Computation*, edited by X. Li, pages 144–151, Brisbane, Australia, 10-15 June 2012.
- [21] J. K. Zao, M. Hornansky, and P.-L. Diao, Design of Optimal Short-Length LT Codes Using Evolution Strategies, in *Proceedings of the 2012 IEEE Congress on Evolutionary Computation*, edited by X. Li, pages 152–160, Brisbane, Australia, 10-15 June 2012.
- [22] A. Atyabi, M. Luerssen, S. P. Fitzgibbon, and D. M. W. Powers, Evolutionary feature selection and electrode reduction for EEG classification, in *Proceedings of the 2012 IEEE Congress on Evolutionary Computation*, edited by X. Li, pages 161–168, Brisbane, Australia, 10-15 June 2012.
- [23] M. El-Abd and M. Kamel, Particle Swarm Optimization with Adaptive Bounds, in *Proceedings of the 2012 IEEE Congress on Evolutionary Computation*, edited by X. Li, pages 169–174, Brisbane, Australia, 10-15 June 2012.
- [24] I.-W. Park, K.-B. Lee, and J.-H. Kim, Multi-objective Evolutionary Algorithm-based Optimal Posture Control of Humanoid Robots, in *Proceedings of the 2012 IEEE Congress on Evolutionary Computation*, edited by X. Li, pages 175–181, Brisbane, Australia, 10-15 June 2012.
- [25] T. Higgs, B. Stantic, T. Hoque, and A. Sattar, Refining Genetic Algorithm Twin Removal for High-Resolution Protein Structure Prediction, in *Proceedings of the 2012 IEEE Congress* on Evolutionary Computation, edited by X. Li, pages 182–189, Brisbane, Australia, 10-15 June 2012.
- [26] J. Wei and Y. Wang, Hyper Rectangle Search Based Particle Swarm Algorithm for Dynamic Constrained Multi-Objective Optimization Problems, in *Proceedings of the 2012 IEEE Congress* on *Evolutionary Computation*, edited by X. Li, pages 190–197, Brisbane, Australia, 10-15 June 2012.
- [27] Y. Maali and A. Al-Jumaily, A Novel Partially Connected Cooperative Parallel PSO-SVM Algorithm: Study Based on Sleep Apnea Detection, in *Proceedings of the 2012 IEEE Congress on Evolutionary Computation*, edited by X. Li, pages 198–205, Brisbane, Australia, 10-15 June 2012.
- [28] I. Chaari, A. Koubaa, H. Bennaceur, S. Trigui, and K. Al-Shalfan, smartPATH: A Hybrid ACO-GA Algorithm for Robot Path Planning, in *Proceedings of the 2012 IEEE Congress on Evolutionary Computation*, edited by X. Li, pages 206–213, Brisbane, Australia, 10-15 June 2012.

- [29] S. Alam, C. Lokan, and H. Abbass, What Can Make an Airspace Unsafe? Characterizing Collision Risk using Multi-Objective Optimization, in *Proceedings of the 2012 IEEE Congress* on *Evolutionary Computation*, edited by X. Li, pages 214–221, Brisbane, Australia, 10-15 June 2012.
- [30] S. Sinha, A. Bhola, V. Panchal, S. Singhal, and A. Abraham, Resolving Mixed Pixel Using Hybridization Of Ant Colony Optimization And Biogeography Based Optimization, in Proceedings of the 2012 IEEE Congress on Evolutionary Computation, edited by X. Li, pages 222–227, Brisbane, Australia, 10-15 June 2012.
- [31] J. Jaros, Multi-GPU Island-Based Genetic Algorithm for Solving the Knapsack Problem, in *Proceedings of the 2012 IEEE Congress on Evolutionary Computation*, edited by X. Li, pages 236–243, Brisbane, Australia, 10-15 June 2012.
- [32] H.-L. Liu, W.-Q. Chen, and F. Gu, A Novel Multi-objective Differential Evolutionary Algorithm Based Sub-region Search, in *Proceedings of the 2012 IEEE Congress on Evolutionary Computation*, edited by X. Li, pages 244–249, Brisbane, Australia, 10-15 June 2012.
- [33] S. Ruuska and K. Miettinen, Constructing Evolutionary Algorithms for Bilevel Multiobjective Optimization, in *Proceedings of the 2012 IEEE Congress on Evolutionary Computation*, edited by X. Li, pages 250–256, Brisbane, Australia, 10-15 June 2012.
- [34] B. Filipic and I. Lorencin, Evolutionary Multiobjective Design of an Alternative Energy Supply System, in *Proceedings of the 2012 IEEE Congress on Evolutionary Computation*, edited by X. Li, pages 257–262, Brisbane, Australia, 10-15 June 2012.
- [35] D. Ashlock and S. McNicholas, Single Parent Generalization of Cellular Automata Rules, in *Proceedings of the 2012 IEEE Congress on Evolutionary Computation*, edited by X. Li, pages 263–270, Brisbane, Australia, 10-15 June 2012.
- [36] A. Trivedi, D. Sharma, and D. Srinivasan, Multi-objectivization of Short-Term Unit Commitment under Uncertainty using Evolutionary Algorithm, in *Proceedings of the 2012 IEEE Congress on Evolutionary Computation*, edited by X. Li, pages 271–278, Brisbane, Australia, 10-15 June 2012.
- [37] C. Gagne and A. Zinflou, An hybrid algorithm for the industrial car sequecing problem, in *Proceedings of the 2012 IEEE Congress on Evolutionary Computation*, edited by X. Li, pages 279–286, Brisbane, Australia, 10-15 June 2012.
- [38] H. Sawai, Reorganizing A New Generation Airline Network Based on An Ant-Colony Optimization-Inspired Small-World Network, in *Proceedings of the 2012 IEEE Congress on Evolutionary Computation*, edited by X. Li, pages 287–294, Brisbane, Australia, 10-15 June 2012.
- [39] L. Silveira, R. Tanscheit, and M. Vellasco, Quantum-Inspired Genetic Algorithms applied to Ordering Combinatorial Optimization Problems, in *Proceedings of the 2012 IEEE Congress on Evolutionary Computation*, edited by X. Li, pages 295–301, Brisbane, Australia, 10-15 June 2012.
- [40] J.-L. Chen, C.-W. Tsai, and C.-S. Yang, An Improved LGA for Protein-Ligand Docking Prediction, in *Proceedings of the 2012 IEEE Congress on Evolutionary Computation*, edited by X. Li, pages 302–307, Brisbane, Australia, 10-15 June 2012.
- [41] K. Zhang, B. Li, and L. Tan, Empirical study of the effect of variable correlation on grouping in Cooperative Coevolutionary Evolutionary Algorithms, in *Proceedings of the 2012 IEEE Congress* on Evolutionary Computation, edited by X. Li, pages 308–314, Brisbane, Australia, 10-15 June 2012.
- [42] M. O. Rahman, A. Hussain, E. Scavino, M. A. Hannan, and H. Basri, Object Identification Using DNA Computing Algorithm, in *Proceedings of the 2012 IEEE Congress on Evolutionary Computation*, edited by X. Li, pages 315–321, Brisbane, Australia, 10-15 June 2012.

- [43] O. Kovarik and P. Kordik, Max-Min Ant System with Linear Memory Complexity, in *Proceedings* of the 2012 IEEE Congress on Evolutionary Computation, edited by X. Li, pages 322–326, Brisbane, Australia, 10-15 June 2012.
- [44] R. Mallipeddi and M. Lee, Ensemble Based Face Recognition using Discriminant PCA Features, in *Proceedings of the 2012 IEEE Congress on Evolutionary Computation*, edited by X. Li, pages 327–333, Brisbane, Australia, 10-15 June 2012.
- [45] G. Neumann and D. Cairns, Targeted EDA Adapted for a Routing Problem with Variable Length Chromosomes, in *Proceedings of the 2012 IEEE Congress on Evolutionary Computation*, edited by X. Li, pages 334–341, Brisbane, Australia, 10-15 June 2012.
- [46] K. Deb and H. Jain, Handling Many-Objective Problems Using an Improved NSGA-II Procedure, in Proceedings of the 2012 IEEE Congress on Evolutionary Computation, edited by X. Li, pages 342–349, Brisbane, Australia, 10-15 June 2012.
- [47] A. Sharifi, V. Noroozi, M. Bashiri, A. B. Hashemi, and M. R. Meybodi, Two Phased Cellular PSO: A New Collaborative Cellular Algorithm for Optimization in Dynamic Environments, in Proceedings of the 2012 IEEE Congress on Evolutionary Computation, edited by X. Li, pages 350–357, Brisbane, Australia, 10-15 June 2012.
- [48] T. Takahiro, S. Takuya, K. Takayuki, and J. Kenya, A Relationship between Network Topology and Search Performance of PSO, in *Proceedings of the 2012 IEEE Congress on Evolutionary Computation*, edited by X. Li, pages 358–363, Brisbane, Australia, 10-15 June 2012.
- [49] K. V. Selvan, M. S. Muhammad, and S. M. W. Masra, Ensembles of DNA Letters for the Design of Unique DNA Library Using a Modified Version of Multi-criteria VEDEPSO Optimizer, in Proceedings of the 2012 IEEE Congress on Evolutionary Computation, edited by X. Li, pages 364–371, Brisbane, Australia, 10-15 June 2012.
- [50] V. Avasarala and P. Bonissone, iPresage: An innovative Patent Landscaping tool, in *Proceedings* of the 2012 IEEE Congress on Evolutionary Computation, edited by X. Li, pages 372–378, Brisbane, Australia, 10-15 June 2012.
- [51] J.-W. Qiu, J. K. Zao, and Y.-H. Chou, A Geometrically Faithful Memetic Algorithm for Searching Sparse Representations of EEG Signals, in *Proceedings of the 2012 IEEE Congress* on *Evolutionary Computation*, edited by X. Li, pages 379–385, Brisbane, Australia, 10-15 June 2012.
- [52] B. Lacroix, D. Molina, and F. Herrera, Region based memetic algorithm with LS chaining, in Proceedings of the 2012 IEEE Congress on Evolutionary Computation, edited by X. Li, pages 386–391, Brisbane, Australia, 10-15 June 2012.
- [53] X. Fang, N. Koceja, J. Zhan, G. Dozier, and D. Dipankar, An Artificial Immune System for Phishing Detection, in *Proceedings of the 2012 IEEE Congress on Evolutionary Computation*, edited by X. Li, pages 392–398, Brisbane, Australia, 10-15 June 2012.
- [54] D. Watanabe and K. Ito, Roles of real-world properties in the Baldwin effect, in *Proceedings of the 2012 IEEE Congress on Evolutionary Computation*, edited by X. Li, pages 399–406, Brisbane, Australia, 10-15 June 2012.
- [55] Y. Ngoko, A. Goldman, and D. Trystram, Malleable resource sharing algorithms for cooperative resolution of problems, in *Proceedings of the 2012 IEEE Congress on Evolutionary Computation*, edited by X. Li, pages 407–414, Brisbane, Australia, 10-15 June 2012.
- [56] M. Tang, Evolutionary Placement of Continuously Operating Reference Stations of Network Real-Time Kinematic, in *Proceedings of the 2012 IEEE Congress on Evolutionary Computation*, edited by X. Li, pages 415–422, Brisbane, Australia, 10-15 June 2012.
- [57] S. Picek, M. Golub, and D. Jakobovic, Influence of the Crossover Operator in the Performance of the Hybrid Taguchi GA, in *Proceedings of the 2012 IEEE Congress on Evolutionary Computation*, edited by X. Li, pages 423–430, Brisbane, Australia, 10-15 June 2012.

- [58] A. Jati, G. Singh, P. Rakshit, A. Konar, E. Kim, and A. K. Nagar, A Hybridisation of Improved Harmony Search and Bacterial Foraging for Multi-robot Motion Planning, in *Proceedings of the* 2012 IEEE Congress on Evolutionary Computation, edited by X. Li, pages 431–438, Brisbane, Australia, 10-15 June 2012.
- [59] Z. He and G. Yen, A New Fitness Evaluation Method Based on Fuzzy Logic in Multiobjective Evolutionary Algorithms, in *Proceedings of the 2012 IEEE Congress on Evolutionary Computation*, edited by X. Li, pages 439–446, Brisbane, Australia, 10-15 June 2012.
- [60] P. Korosec and J. Silc, The Continuous Differential Ant-Stigmergy Algorithm Applied to Dynamic Optimization Problems, in *Proceedings of the 2012 IEEE Congress on Evolutionary Computation*, edited by X. Li, pages 447–454, Brisbane, Australia, 10-15 June 2012.
- [61] J. Louzada, C. Camilo-Junior, A. Vincenzi, and C. Rodrigues, An Elitist Evolutionary Algorithm for Automatically Generating Test Data, in *Proceedings of the 2012 IEEE Congress on Evolutionary Computation*, edited by X. Li, pages 455–462, Brisbane, Australia, 10-15 June 2012.
- [62] C. Taroco, E. Carrano, O. Neto, and R. Takahashi, A Faster Genetic Algorithm for Substation Location and Network Design of Power Distribution Systems, in *Proceedings of the 2012 IEEE Congress on Evolutionary Computation*, edited by X. Li, pages 463–468, Brisbane, Australia, 10-15 June 2012.
- [63] O. Dridi, S. Krichen, and A. Guitouni, 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, edited by X. Li, pages 469–476, Brisbane, Australia, 10-15 June 2012.
- [64] M. Alvares, F. Buarque, and T. Marwala, Optimizing Risk Management Using NSGA-II, in Proceedings of the 2012 IEEE Congress on Evolutionary Computation, edited by X. Li, pages 477–484, Brisbane, Australia, 10-15 June 2012.
- [65] B. Li, X. Li, S. Mabu, and K. Hirasawa, Towards Automatic Discovery and Reuse of Subroutines in Variable Size Genetic Network Programming, in *Proceedings of the 2012 IEEE Congress on Evolutionary Computation*, edited by X. Li, pages 485–492, Brisbane, Australia, 10-15 June 2012.
- [66] J. Xu, Q. Lv, J. Zhou, and Y. Dou, A Self-Organizing and Self-Adaptive French Flag Organism Based on Lateral Activation Model, in *Proceedings of the 2012 IEEE Congress on Evolutionary Computation*, edited by X. Li, pages 493–500, Brisbane, Australia, 10-15 June 2012.
- [67] Q. Shi, W. Yin, and A. Song, Analysis of Motion Detectors Evolved by Genetic Programming, in *Proceedings of the 2012 IEEE Congress on Evolutionary Computation*, edited by X. Li, pages 501–508, Brisbane, Australia, 10-15 June 2012.
- [68] R. Hunt, K. Neshatian, and M. Zhang, Scalability Analysis of Genetic Programming Classifiers, in Proceedings of the 2012 IEEE Congress on Evolutionary Computation, edited by X. Li, pages 509–516, Brisbane, Australia, 10-15 June 2012.
- [69] H. Lehmann and S. Menzel, Evolvability as Concept for the Optimal Design of Free-Form Deformation Control Volumes, in *Proceedings of the 2012 IEEE Congress on Evolutionary Computation*, edited by X. Li, pages 517–524, Brisbane, Australia, 10-15 June 2012.
- [70] M. Takano and Y. Osana, Automatic Composition System using Genetic Algorithm and N-gram Model considering Melody Blocks, in *Proceedings of the 2012 IEEE Congress on Evolutionary Computation*, edited by X. Li, pages 525–532, Brisbane, Australia, 10-15 June 2012.
- [71] Y. Meng and G. Hongliang, A Gene Regulatory Network based Framework for Self-Organization in Mobile Sensor Networks, in *Proceedings of the 2012 IEEE Congress on Evolutionary Computation*, edited by X. Li, pages 533–539, Brisbane, Australia, 10-15 June 2012.

- [72] S. Chen, Particle Swarm Optimization with pbest Crossover, in *Proceedings of the 2012 IEEE Congress on Evolutionary Computation*, edited by X. Li, pages 540–545, Brisbane, Australia, 10-15 June 2012.
- [73] A. Saha and T. Ray, A Repair Mechanism for Active Inequality Constraint Handling, in *Proceedings of the 2012 IEEE Congress on Evolutionary Computation*, edited by X. Li, pages 546–553, Brisbane, Australia, 10-15 June 2012.
- [74] H. Zhang, Y. Zhu, and X. Yan, Multi-Hive Artificial Bee Colony Algorithm for Constrained Multi-Objective Optimization, in *Proceedings of the 2012 IEEE Congress on Evolutionary Computation*, edited by X. Li, pages 554–561, Brisbane, Australia, 10-15 June 2012.
- [75] S. Cheng, Y. Shi, and Q. Qin, Population Diversity Based Study on Search Information Propagation in Particle Swarm Optimization, in *Proceedings of the 2012 IEEE Congress on Evolutionary Computation*, edited by X. Li, pages 562–569, Brisbane, Australia, 10-15 June 2012.
- [76] Y. Guo, W. neng Chen, and J. Zhang, Enhancing the Performance of Evolutionary Algorithms— A Novel Maturity-Based Adaptation Strategy, in *Proceedings of the 2012 IEEE Congress on Evolutionary Computation*, edited by X. Li, pages 570–577, Brisbane, Australia, 10-15 June 2012.
- [77] M. Kroetz, T. Centeno, M. Delgado, L. Dorini, V. Fylyk, A. Vieira, L. Lucas, and M. Felisberto, Genetic Algorithms to Automatic Weld Bead Detection in Double Wall Double Image Digital Radiographs, in *Proceedings of the 2012 IEEE Congress on Evolutionary Computation*, edited by X. Li, pages 578–584, Brisbane, Australia, 10-15 June 2012.
- [78] Z. Shao and M. J. Er, A Review of Inverse Reinforcement Learning Theory and Recent Advances, in *Proceedings of the 2012 IEEE Congress on Evolutionary Computation*, edited by X. Li, pages 585–592, Brisbane, Australia, 10-15 June 2012.
- [79] T. Takahama and S. Sakai, Differential Evolution with Dynamic Strategy and Parameter Selection by Detecting Landscape Modality, in *Proceedings of the 2012 IEEE Congress on Evolutionary Computation*, edited by X. Li, pages 593–600, Brisbane, Australia, 10-15 June 2012.
- [80] J. Xu, A. Y. Lam, V. O. Li, Q. Li, and X. Fan, Short Adjacent Repeat Identification Based on Chemical Reaction Optimization, in *Proceedings of the 2012 IEEE Congress on Evolutionary Computation*, edited by X. Li, pages 601–608, Brisbane, Australia, 10-15 June 2012.
- [81] S. Vathsavayi, O. Raiha, and K. Koskimies, Using Quality Farms in Multi-Objective Genetic Software Architecture Synthesis, in *Proceedings of the 2012 IEEE Congress on Evolutionary Computation*, edited by X. Li, pages 609–616, Brisbane, Australia, 10-15 June 2012.
- [82] A. Ter-Sarkisov, Elitism Levels Traverse Mechanism For The Derivation of Upper Bounds on Unimodal Functions, in *Proceedings of the 2012 IEEE Congress on Evolutionary Computation*, edited by X. Li, pages 617–624, Brisbane, Australia, 10-15 June 2012.
- [83] J.-J. Merelo Guervos, A. M. Mora, J. A. Cruz Almaguer, A. I. Esparcia-Alcazar, and C. Cotta, Scaling in distributed evolutionary algorithms with persistent population, in *Proceedings of the* 2012 IEEE Congress on Evolutionary Computation, edited by X. Li, pages 625–632, Brisbane, Australia, 10-15 June 2012.
- [84] R. Saraiva and P. Pinheiro, A novel application of crossover operator to a hybrid optimization framework: investigation into cutting problems, in *Proceedings of the 2012 IEEE Congress on Evolutionary Computation*, edited by X. Li, pages 633–639, Brisbane, Australia, 10-15 June 2012.
- [85] S. Wan, S. Xiong, and Y. Liu, Prediction based Multi-strategy Differential Evolution Algorithm for Dynamic Environments, in *Proceedings of the 2012 IEEE Congress on Evolutionary Computation*, edited by X. Li, pages 640–647, Brisbane, Australia, 10-15 June 2012.

- [86] J. Conesa-Munoz, A. Ribeiro, D. Andujar, C. Fernandez-Quintanilla, and J. Dorado, Multi-Path Planning Based on a NSGA-II for a Fleet of Robots to Work on Agricultural Tasks, in Proceedings of the 2012 IEEE Congress on Evolutionary Computation, edited by X. Li, pages 648–655, Brisbane, Australia, 10-15 June 2012.
- [87] T.-W. Shen, T.-F. Laio, and S.-T. Chen, Hormone Concentration Inception: Development an Artificial Immune System with Immunomodulator (AISI) Intervention, in *Proceedings of the* 2012 IEEE Congress on Evolutionary Computation, edited by X. Li, pages 656–661, Brisbane, Australia, 10-15 June 2012.
- [88] Y.-L. Wu, T.-F. Ho, S. J. Shyu, and B. M. T. Lin, Discrete particle swarm optimization for materials acquisition in multi-unit libraries, in *Proceedings of the 2012 IEEE Congress on Evolutionary Computation*, edited by X. Li, pages 662–668, Brisbane, Australia, 10-15 June 2012.
- [89] A. Ghosh, A. Chowdhury, S. Sinha, A. V. Vasilakos, and S. Das, A Genetic lbest PSO with Dynamically Varying Subswarm topology, in *Proceedings of the 2012 IEEE Congress on Evolutionary Computation*, edited by X. Li, pages 669–675, Brisbane, Australia, 10-15 June 2012.
- [90] L. Amaral and E. Hruschka, Never-Ending Learning Principles in Gene Ontology Classification using Genetic Algorithms, in *Proceedings of the 2012 IEEE Congress on Evolutionary Computation*, edited by X. Li, pages 676–683, Brisbane, Australia, 10-15 June 2012.
- [91] T. Uchitane and T. Hatanaka, Experimental Study for Multi-Objective PSO with Single Objective Guide Selection, in *Proceedings of the 2012 IEEE Congress on Evolutionary Computation*, edited by X. Li, pages 684–689, Brisbane, Australia, 10-15 June 2012.
- [92] J.-L. Liu, Y.-T. Hsu, and C.-L. Hung, Development of Evolutionary Data Mining Algorithms and their Applications to Cardiac Disease Diagnosis, in *Proceedings of the 2012 IEEE Congress* on *Evolutionary Computation*, edited by X. Li, pages 690–697, Brisbane, Australia, 10-15 June 2012.
- [93] W.-C. Yeh, Y.-M. Yeh, C.-H. Chou, Y. Chung, and X. He, A Radio Frequency Identification Network Design Methodology for the Decision Problem in Mackay Memorial Hospital Based on Swarm Optimization, in *Proceedings of the 2012 IEEE Congress on Evolutionary Computation*, edited by X. Li, pages 698–704, Brisbane, Australia, 10-15 June 2012.
- [94] M. Mussetta, F. Grimaccia, and R. E. Zich, Comparison of different optimization techniques for the design of electromagnetic devices, in *Proceedings of the 2012 IEEE Congress on Evolutionary Computation*, edited by X. Li, pages 705–710, Brisbane, Australia, 10-15 June 2012.
- [95] F. Siegmund, A. H. Ng, and K. Deb, Finding a preferred diverse set of Pareto-optimal solutions for a limited number of function calls, in *Proceedings of the 2012 IEEE Congress on Evolutionary Computation*, edited by X. Li, pages 711–718, Brisbane, Australia, 10-15 June 2012.
- [96] L. Zhang and C. Zhou, Self Organized Parallel Genetic Algorithm to Automatically Realize Diversified Convergence, in *Proceedings of the 2012 IEEE Congress on Evolutionary Computation*, edited by X. Li, pages 719–727, Brisbane, Australia, 10-15 June 2012.
- [97] S. Vanucci, R. Bicalho, E. Carrano, and R. Takahashi, A Modified NSGA-II for the Multiobjective Multi-mode Resource-Constrained Project Scheduling Problem, in *Proceedings of the 2012 IEEE Congress on Evolutionary Computation*, edited by X. Li, pages 728–734, Brisbane, Australia, 10-15 June 2012.
- [98] F. Legillon, A. Liefooghe, and E.-G. Talbi, CoBRA: A Cooperative Coevolutionary Algorithm for Bi-level Optimization, in *Proceedings of the 2012 IEEE Congress on Evolutionary Computation*, edited by X. Li, pages 735–742, Brisbane, Australia, 10-15 June 2012.
- [99] X. Yao, D. Gong, Y. Luo, and M. Li, Test Data Reduction Based on Dominance Relations of Target Statements, in *Proceedings of the 2012 IEEE Congress on Evolutionary Computation*, edited by X. Li, pages 743–750, Brisbane, Australia, 10-15 June 2012.

- [100] A. Adewumi, N. Budlender, and M. Olusanya, Optimizing the Assignment of Blood in a Blood Banking System: Some Initial Results, in *Proceedings of the 2012 IEEE Congress on Evolutionary Computation*, edited by X. Li, pages 751–756, Brisbane, Australia, 10-15 June 2012.
- [101] R. Datta, M. S. Bittermann, K. Deb, and O. Ciftcioglu, Probabilistic Constraint Handling in the Framework of Joint Evolutionary-Classical Optimization with Engineering Applications, in Proceedings of the 2012 IEEE Congress on Evolutionary Computation, edited by X. Li, pages 757–764, Brisbane, Australia, 10-15 June 2012.
- [102] L. Wen, L. Gao, X. Li, G. Zhang, and Y. Yang, Application of Free Pattern Search on the Surface Roughness Prediction in End Milling, in *Proceedings of the 2012 IEEE Congress on Evolutionary Computation*, edited by X. Li, pages 765–770, Brisbane, Australia, 10-15 June 2012.
- [103] Y. jiao Gong and J. Zhang, Real-Time Traffic Signal Control for Roundabouts by Using a Novel PSO-based Fuzzy Controller, in *Proceedings of the 2012 IEEE Congress on Evolutionary Computation*, edited by X. Li, pages 771–778, Brisbane, Australia, 10-15 June 2012.
- [104] B. Xue, M. Zhang, and W. N. Browne, New Fitness Functions in Binary Particle Swarm Optimisation for Feature Selection, in *Proceedings of the 2012 IEEE Congress on Evolutionary Computation*, edited by X. Li, pages 779–786, Brisbane, Australia, 10-15 June 2012.
- [105] F. yue Qiu, Y. shi Wu, L. ping Wang, and B. Jiang, Bipolar Preferences Dominance based Evolutionary Algorithm for Many-Objective Optimization, in *Proceedings of the 2012 IEEE Congress on Evolutionary Computation*, edited by X. Li, pages 787–794, Brisbane, Australia, 10-15 June 2012.
- [106] Y. Liu, Y. Y. Chung, and W. C. Yeh, Simplified Swarm Optimization with Sorted Local Search for Golf Data Classification, in *Proceedings of the 2012 IEEE Congress on Evolutionary Computation*, edited by X. Li, pages 795–802, Brisbane, Australia, 10-15 June 2012.
- [107] W. Raffe, F. Zambetta, and X. Li, A Survey of Procedural Terrain Generation Techniques using Evolutionary Algorithms, in *Proceedings of the 2012 IEEE Congress on Evolutionary Computation*, edited by X. Li, pages 803–810, Brisbane, Australia, 10-15 June 2012.
- [108] Y. Yuan and H. Xu, HHS/LNS: An Integrated Search Method for Flexible Job Shop Scheduling, in *Proceedings of the 2012 IEEE Congress on Evolutionary Computation*, edited by X. Li, pages 811–818, Brisbane, Australia, 10-15 June 2012.
- [109] J. Liu and W. Zhong, Continuous Game Dynamics on Populations with a Cycle Structure under Weak Selection, in *Proceedings of the 2012 IEEE Congress on Evolutionary Computation*, edited by X. Li, pages 819–824, Brisbane, Australia, 10-15 June 2012.
- [110] Z. Vasicek and L. Sekanina, On Area Minimization of Complex Combinational Circuits Using Cartesian Genetic Programming, in *Proceedings of the 2012 IEEE Congress on Evolutionary Computation*, edited by X. Li, pages 825–832, Brisbane, Australia, 10-15 June 2012.
- [111] Y. V. Pehlivanoglu and O. Baysal, Improved Particle Swarm Optimization: Catching the Big Wave on the Surf, in *Proceedings of the 2012 IEEE Congress on Evolutionary Computation*, edited by X. Li, pages 833–840, Brisbane, Australia, 10-15 June 2012.
- [112] Q. Lu and Q.-L. Han, A Finite-time Particle Swarm Optimization Algorithm, in *Proceedings of the 2012 IEEE Congress on Evolutionary Computation*, edited by X. Li, pages 841–848, Brisbane, Australia, 10-15 June 2012.
- [113] S. W. Leung, X. Zhang, and S. Y. Yuen, Multiobjective Differential Evolution Algorithm with Opposition-Based Parameter Control, in *Proceedings of the 2012 IEEE Congress on Evolutionary Computation*, edited by X. Li, pages 849–856, Brisbane, Australia, 10-15 June 2012.
- [114] W. Fang, J. Sun, X. Wu, W. Xu, and P. Vasile, Study on the Compression-Expansion Coefficient in Drift Particle Swarm Optimization, in *Proceedings of the 2012 IEEE Congress on Evolutionary Computation*, edited by X. Li, pages 857–862, Brisbane, Australia, 10-15 June 2012.

- [115] D. Iclanzan and C. Chira, Modeling and Replicating Higher-Order Dependencies in Genetic Algorithms, in *Proceedings of the 2012 IEEE Congress on Evolutionary Computation*, edited by X. Li, pages 863–870, Brisbane, Australia, 10-15 June 2012.
- [116] C.-K. Au and H.-F. Leung, Eigenspace sampling in the mirrored variant of (1,lambda)-CMA-ES, in *Proceedings of the 2012 IEEE Congress on Evolutionary Computation*, edited by X. Li, pages 871–878, Brisbane, Australia, 10-15 June 2012.
- [117] S. Alam, D. Gillian, P. Riddle, and Y. S. Koh, Hierarchical PSO Clustering Based Recommender System, in *Proceedings of the 2012 IEEE Congress on Evolutionary Computation*, edited by X. Li, pages 879–886, Brisbane, Australia, 10-15 June 2012.
- [118] M.-C. Lee and S.-B. Cho, Interactive Differential Evolution for Image Enhancement Application in Smart Phone, in *Proceedings of the 2012 IEEE Congress on Evolutionary Computation*, edited by X. Li, pages 887–892, Brisbane, Australia, 10-15 June 2012.
- [119] S. Xinguo, Z. Xingquan, and C. Cheng, A Cultural Clonal Selection Algorithm based Fast Vehicle Scheduling Approach, in *Proceedings of the 2012 IEEE Congress on Evolutionary Computation*, edited by X. Li, pages 893–899, Brisbane, Australia, 10-15 June 2012.
- [120] R. Faccioli, I. Nunes da Silva, L. Bortot, and A. Delbem, A Mono-Objective Evolutionary Algorithm with GROMACS for Protein Structure Prediction in Structural and Energetic Contexts, in *Proceedings of the 2012 IEEE Congress on Evolutionary Computation*, edited by X. Li, pages 900–906, Brisbane, Australia, 10-15 June 2012.
- [121] D. Dias and M. A. Pacheco, Describing Quantum-Inspired Linear Genetic Programming from Symbolic Regression Problems, in *Proceedings of the 2012 IEEE Congress on Evolutionary Computation*, edited by X. Li, pages 907–914, Brisbane, Australia, 10-15 June 2012.
- [122] J. Ni, L. Li, F. Qiao, and Q. Wu, A Novel Memetic Algorithm based on the Comprehensive Learning PSO, in *Proceedings of the 2012 IEEE Congress on Evolutionary Computation*, edited by X. Li, pages 915–922, Brisbane, Australia, 10-15 June 2012.
- [123] T.-P. Hong, F.-S. Lin, and C.-H. Chen, Using the Group Genetic Algorithm for Attribute Clustering, in *Proceedings of the 2012 IEEE Congress on Evolutionary Computation*, edited by X. Li, pages 923–927, Brisbane, Australia, 10-15 June 2012.
- [124] C.-M. Ou and C. Ou, Immune Memory with Associativity: Perspectives on Dynamical Systems, in *Proceedings of the 2012 IEEE Congress on Evolutionary Computation*, edited by X. Li, pages 928–933, Brisbane, Australia, 10-15 June 2012.
- [125] S. Vieira, L. Mendonca, G. Farinha, and J. Sousa, Metaheuristics for feature selection: application to sepsis outcome prediction, in *Proceedings of the 2012 IEEE Congress on Evolutionary Computation*, edited by X. Li, pages 934–941, Brisbane, Australia, 10-15 June 2012.
- [126] K. Y. Chan, S. H. Ling, H. Nguyen, and F. Jiang, A hypoglycemic episode diagnosis system based on neural networks for Type 1 diabetes mellitus, in *Proceedings of the 2012 IEEE Congress* on *Evolutionary Computation*, edited by X. Li, pages 942–947, Brisbane, Australia, 10-15 June 2012.
- [127] K. T. Chang, K. O. Chin, J. Teo, and J. Mountstephens, Game AI Generation using Evolutionary Multi-Objective Optimization, in *Proceedings of the 2012 IEEE Congress on Evolutionary Computation*, edited by X. Li, pages 948–955, Brisbane, Australia, 10-15 June 2012.
- [128] Y. Li and M. Guo, Phase Transition and New Fitness Function Based Genetic Inductive Loigc Programming Algorithm, in *Proceedings of the 2012 IEEE Congress on Evolutionary Computation*, edited by X. Li, pages 956–963, Brisbane, Australia, 10-15 June 2012.
- [129] A. LaTorre, S. Muelas, and J.-M. Pena, Multiple Offspring Sampling in Large Scale Global Optimization, in *Proceedings of the 2012 IEEE Congress on Evolutionary Computation*, edited by X. Li, pages 964–971, Brisbane, Australia, 10-15 June 2012.

- [130] A. Rajasekhar, S. Das, and P. N. Suganthan, Design of Fractional Order Controller for a Servohydraulic Positioning System with Micro Artificial Bee Colony Algorithm, in *Proceedings of the 2012 IEEE Congress on Evolutionary Computation*, edited by X. Li, pages 972–979, Brisbane, Australia, 10-15 June 2012.
- [131] M. Nasir, S. Sengupta, S. Das, and P. N. Suganthan, An improved Multi-objective Optimization Algorithm based on Fuzzy Dominance for Risk Minimization in Biometric Sensor Network, in *Proceedings of the 2012 IEEE Congress on Evolutionary Computation*, edited by X. Li, pages 980–987, Brisbane, Australia, 10-15 June 2012.
- [132] S. Vazquez-Rodriguez, J. A. Gomollon, G. Varela, and A. Paz-Lopez, Non-Observability Analysis by Means of an Evolutionary Technique in Measured Electric Power Systems, in *Proceedings of the 2012 IEEE Congress on Evolutionary Computation*, edited by X. Li, pages 988–994, Brisbane, Australia, 10-15 June 2012.
- [133] J. J. Yu, V. O. Li, and A. Y. Lam, Sensor Deployment for Air Pollution Monitoring Using Public Transportation System, in *Proceedings of the 2012 IEEE Congress on Evolutionary Computation*, edited by X. Li, pages 995–1001, Brisbane, Australia, 10-15 June 2012.
- [134] L. Benedicic, M. Stular, and P. Korosec, Balancing downlink and uplink soft-handover areas in UMTS networks, in *Proceedings of the 2012 IEEE Congress on Evolutionary Computation*, edited by X. Li, pages 1002–1009, Brisbane, Australia, 10-15 June 2012.
- [135] P.-C. Tsai, C.-M. Chen, and Y. ping Chen, Sparse Degrees Analysis for LT Codes Optimization, in *Proceedings of the 2012 IEEE Congress on Evolutionary Computation*, edited by X. Li, pages 1010–1015, Brisbane, Australia, 10-15 June 2012.
- [136] C.-C. Liao and C.-K. Ting, Extending the Lifetime of Dynamic Wireless Sensor Networks by Genetic Algorithm, in *Proceedings of the 2012 IEEE Congress on Evolutionary Computation*, edited by X. Li, pages 1016–1023, Brisbane, Australia, 10-15 June 2012.
- [137] A. Zhang and R. Saunders, Towards the Evolution of a Language for Creative Design, in *Proceedings of the 2012 IEEE Congress on Evolutionary Computation*, edited by X. Li, pages 1024–1029, Brisbane, Australia, 10-15 June 2012.
- [138] S. Cussat-Blanc, S. Sanchez, and Y. Duthen, Simultaneous cooperative and conflicting behaviors handled by a Gene Regulatory Network, in *Proceedings of the 2012 IEEE Congress on Evolutionary Computation*, edited by X. Li, pages 1037–1044, Brisbane, Australia, 10-15 June 2012.
- [139] A. Hanif and R. Smith, Generation Path-Switching in Sequential Monte-Carlo Methods, in *Proceedings of the 2012 IEEE Congress on Evolutionary Computation*, edited by X. Li, pages 1045–1051, Brisbane, Australia, 10-15 June 2012.
- [140] T.-D. Wang, X. Wu, and C. Fyfe, Comparative Study of Visualisation Methods for Temporal Data, in *Proceedings of the 2012 IEEE Congress on Evolutionary Computation*, edited by X. Li, pages 1052–1056, Brisbane, Australia, 10-15 June 2012.
- [141] G. A. V. Pai and T. Michel, Differential Evolution based optimization of Risk budgeted Equity Market Neutral Portfolios, in *Proceedings of the 2012 IEEE Congress on Evolutionary Computation*, edited by X. Li, pages 1057–1064, Brisbane, Australia, 10-15 June 2012.
- [142] A.-H. Sato, Japanese International Air Travel: The Relationship between Flight Ticket Price and Geodesic Distance, in *Proceedings of the 2012 IEEE Congress on Evolutionary Computation*, edited by X. Li, pages 1065–1070, Brisbane, Australia, 10-15 June 2012.
- [143] G. Wilson, D. Leblanc, and W. Banzhaf, Using Sector Information with Linear Genetic Programming for Intraday Equity Price Trend Analysis, in *Proceedings of the 2012 IEEE Congress on Evolutionary Computation*, edited by X. Li, pages 1071–1078, Brisbane, Australia, 10-15 June 2012.

- [144] H. Jevne, P. Haddow, and A. Gaivoronski, Evolving Constrained mean-VaR Efficient Frontiers, in *Proceedings of the 2012 IEEE Congress on Evolutionary Computation*, edited by X. Li, pages 1079–1086, Brisbane, Australia, 10-15 June 2012.
- [145] V. Soam, L. Palafox, and H. Iba, Multi-Objective Portfolio Optimization and Rebalancing Using Genetic Algorithms with Local Search, in *Proceedings of the 2012 IEEE Congress on Evolutionary Computation*, edited by X. Li, pages 1087–1093, Brisbane, Australia, 10-15 June 2012.
- [146] C.-H. Yeh and C.-Y. Yang, Can learning affect the effectiveness of price limits?, in *Proceedings* of the 2012 IEEE Congress on Evolutionary Computation, edited by X. Li, pages 1094–1101, Brisbane, Australia, 10-15 June 2012.
- [147] A. Brabazon, A. Silva, and M. O'Neill, Optimal Patent Design: An Agent-based Approach, in *Proceedings of the 2012 IEEE Congress on Evolutionary Computation*, edited by X. Li, pages 1102–1109, Brisbane, Australia, 10-15 June 2012.
- [148] H. Ma, M. Fei, Z. Ding, and J. Jin, Biogeography-Based Optimization with Ensemble of Migration Models for Global Numerical Optimization, in *Proceedings of the 2012 IEEE Congress on Evolutionary Computation*, edited by X. Li, pages 1110–1117, Brisbane, Australia, 10-15 June 2012.
- [149] N. Hamza, R. Sarker, and D. Essam, Differential Evolution with a mix of Constraint Consenus Methods for Solving a Real-World Optimization Problem, in *Proceedings of the 2012 IEEE Congress on Evolutionary Computation*, edited by X. Li, pages 1118–1124, Brisbane, Australia, 10-15 June 2012.
- [150] K. Gao, P. N. Suganthan, and Z. Bao, A composite heuristic for the no-wait flow shop scheduling, in *Proceedings of the 2012 IEEE Congress on Evolutionary Computation*, edited by X. Li, pages 1125–1129, Brisbane, Australia, 10-15 June 2012.
- [151] C. Cheung, J. J. Valdes, and M. Li, Use of evolutionary computation techniques for exploration and prediction of helicopter loads, in *Proceedings of the 2012 IEEE Congress on Evolutionary Computation*, edited by X. Li, pages 1130–1137, Brisbane, Australia, 10-15 June 2012.
- [152] S. Elsayed, R. Sarker, and T. Ray, Parameters Adaptation in Differential Evolution, in *Proceedings of the 2012 IEEE Congress on Evolutionary Computation*, edited by X. Li, pages 1138–1145, Brisbane, Australia, 10-15 June 2012.
- [153] W. Zhang, X. Feng, Y. Zhang, and X. Xiong, Information Diffusion and Its Impacts on Artificial Stock Markets in Learning Process, in *Proceedings of the 2012 IEEE Congress on Evolutionary Computation*, edited by X. Li, pages 1146–1151, Brisbane, Australia, 10-15 June 2012.
- [154] S.-H. Chen and U. Gostoli, Coordination in the El Farol Bar Problem: The Role of Social Preferences and Social Networks, in *Proceedings of the 2012 IEEE Congress on Evolutionary Computation*, edited by X. Li, pages 1152–1159, Brisbane, Australia, 10-15 June 2012.
- [155] T. Tusar, E. Dovgan, and B. Filipic, Evolutionary Scheduling of Flexible Offers for Electricity Supply and Demand, in *Proceedings of the 2012 IEEE Congress on Evolutionary Computation*, edited by X. Li, pages 1160–1167, Brisbane, Australia, 10-15 June 2012.
- [156] J. Cepeda, J. Rueda, and I. Erlich, Identification of Dynamic Equivalents based on Heuristic Optimization for Smart Grid Applications, in *Proceedings of the 2012 IEEE Congress on Evolutionary Computation*, edited by X. Li, pages 1168–1175, Brisbane, Australia, 10-15 June 2012.
- [157] S. H. Ling, H. Nguyen, F. H. Leung, K. Y. Chan, and F. Jiang, Intelligent Fuzzy Particle Swarm Optimization with Cross-Mutated Operation, in *Proceedings of the 2012 IEEE Congress on Evolutionary Computation*, edited by X. Li, pages 1176–1183, Brisbane, Australia, 10-15 June 2012.

- [158] S. Khadem, K. Y. Chan, and T. Dillon, Optimization of neural network configurations for short-term traffic flow forecasting using orthogonal design, in *Proceedings of the 2012 IEEE Congress on Evolutionary Computation*, edited by X. Li, pages 1184–1190, Brisbane, Australia, 10-15 June 2012.
- [159] H. Ishibuchi, K. Hoshino, and Y. Nojima, Strategy Evolution in a Spatial IPD Game where Each Agent is not Allowed to Play against Itself, in *Proceedings of the 2012 IEEE Congress on Evolutionary Computation*, edited by X. Li, pages 1191–1198, Brisbane, Australia, 10-15 June 2012.
- [160] D. Perez, P. Rohlfshagen, and S. Lucas, The Physical Travelling Salesman Problem: WCCI 2012 Competition, in *Proceedings of the 2012 IEEE Congress on Evolutionary Computation*, edited by X. Li, pages 1199–1206, Brisbane, Australia, 10-15 June 2012.
- [161] G. Greenwood and D. Ashlock, Evolutionary Games and the Study of Cooperation: Why Has So Little Progress Been Made?, in *Proceedings of the 2012 IEEE Congress on Evolutionary Computation*, edited by X. Li, pages 1207–1214, Brisbane, Australia, 10-15 June 2012.
- [162] H. Ishibuchi, K. Hoshino, and Y. Nojima, Evolution of Strategies in a Spatial IPD Game with a Number of Different Representation Schemes, in *Proceedings of the 2012 IEEE Congress on Evolutionary Computation*, edited by X. Li, pages 1215–1222, Brisbane, Australia, 10-15 June 2012.
- [163] T. Mahlmann, J. Togelius, and G. N. Yannakakis, Evolving Card Sets Towards Balancing Dominion, in *Proceedings of the 2012 IEEE Congress on Evolutionary Computation*, edited by X. Li, pages 1223–1230, Brisbane, Australia, 10-15 June 2012.
- [164] P. Hingston, M. Masek, and D. Beard, Using Monte Carlo Tree Search for Replanning in a Multistage Simultaneous Game, in *Proceedings of the 2012 IEEE Congress on Evolutionary Computation*, edited by X. Li, pages 1231–1238, Brisbane, Australia, 10-15 June 2012.
- [165] G. Wilson, S. Harding, O. Hoeber, R. Devillers, and W. Banzhaf, Parallel Exhaustive Search vs. Evolutionary Computation in a Large Real World Network Search Space, in *Proceedings of the* 2012 IEEE Congress on Evolutionary Computation, edited by X. Li, pages 1239–1246, Brisbane, Australia, 10-15 June 2012.
- [166] S. Tsutsui and N. Fujimoto, Implementation of Histogram Based Sampling Algorithm within an EDA Scheme with CUDA, in *Proceedings of the 2012 IEEE Congress on Evolutionary Computation*, edited by X. Li, pages 1247–1254, Brisbane, Australia, 10-15 June 2012.
- [167] E. Vazquez-Fernandez, C. Coello, and F. Sagols, An Evolutionary Algorithm coupled with the Hooke-Jeeves Algorithm for Tuning a Chess Evaluation Function, in *Proceedings of the 2012 IEEE Congress on Evolutionary Computation*, edited by X. Li, pages 1255–1262, Brisbane, Australia, 10-15 June 2012.
- [168] R. Nazmul, M. Chetty, R. Samudrala, and D. Chalmers, Protein Structure Prediction based on Optimal Hydrophobic Core Formation, in *Proceedings of the 2012 IEEE Congress on Evolutionary Computation*, edited by X. Li, pages 1263–1271, Brisbane, Australia, 10-15 June 2012.
- [169] Z. Forghany, M. Davarynejad, and E. Snaar-Jagalska, Gene Regulatory Network Model Identification Using Artificial Bee Colony and Swarm Intelligence, in *Proceedings of the 2012 IEEE Congress on Evolutionary Computation*, edited by X. Li, pages 1272–1277, Brisbane, Australia, 10-15 June 2012.
- [170] G. M. Ko, A. S. Reddy, S. Kumar, R. Garg, B. A. Bailey, and A. R. Hadaegh, Differential Evolution-Binary Particle Swarm Optimization Algorithm for the Analysis of Aryl Beta-Diketo Acids for HIV-1 Integrase Inhibition, in *Proceedings of the 2012 IEEE Congress on Evolutionary Computation*, edited by X. Li, pages 1278–1284, Brisbane, Australia, 10-15 June 2012.

- [171] A. Chowdhury, M. Chetty, and N. Vinh, Adaptive Regulatory Genes Cardinality for Reconstructing Genetic Networks, in *Proceedings of the 2012 IEEE Congress on Evolutionary Computation*, edited by X. Li, pages 1285–1292, Brisbane, Australia, 10-15 June 2012.
- [172] S. G. Ficici, E. Liu, and G. B. Fogel, Evolutionary Algorithms for Supertree Search, in *Proceedings* of the 2012 IEEE Congress on Evolutionary Computation, edited by X. Li, pages 1293–1300, Brisbane, Australia, 10-15 June 2012.
- [173] J. A. Thompson and C. B. Congdon, GAMID: Using Genetic Algorithms for the Inference of DNA Motifs That Are Represented in Only a Subset of Sequences of Interest, in *Proceedings* of the 2012 IEEE Congress on Evolutionary Computation, edited by X. Li, pages 1301–1308, Brisbane, Australia, 10-15 June 2012.
- [174] D. J. Gagne and C. B. Congdon, Preliminary Results for GAMMI: Genetic Algorithms for Motif-Module Inference, in *Proceedings of the 2012 IEEE Congress on Evolutionary Computation*, edited by X. Li, pages 1309–1316, Brisbane, Australia, 10-15 June 2012.
- [175] L. Palafox and I. Hitoshi, On the use of Population Based Incremental Learning to do Reverse Engineering on Gene Regulatory Networks, in *Proceedings of the 2012 IEEE Congress on Evolutionary Computation*, edited by X. Li, pages 1317–1324, Brisbane, Australia, 10-15 June 2012.
- [176] S. Wesolkowski and D. Wojtaszek, SaFESST: Stochastic Fleet Estimation Under Steady State Tasking via Evolutionary Fleet Scheduling, in *Proceedings of the 2012 IEEE Congress on Evolutionary Computation*, edited by X. Li, pages 1325–1332, Brisbane, Australia, 10-15 June 2012.
- [177] R. Falcon and R. Abielmona, A Response-Aware Risk Management Framework for Search-and-Rescue Operations, in *Proceedings of the 2012 IEEE Congress on Evolutionary Computation*, edited by X. Li, pages 1333–1340, Brisbane, Australia, 10-15 June 2012.
- [178] M. Setayesh, Z. Mengjie, and J. Mark, Effects of Static and Dynamic Topologies in Particle Swarm Optimisation for Edge Detection in Noisy Images, in *Proceedings of the 2012 IEEE Congress on Evolutionary Computation*, edited by X. Li, pages 1341–1348, Brisbane, Australia, 10-15 June 2012.
- [179] V. Ciesielski, B. Lam, and M. L. Nguyen, Comparison of Evolutionary and Conventional Feature Extraction Methods for Malt Classification, in *Proceedings of the 2012 IEEE Congress on Evolutionary Computation*, edited by X. Li, pages 1349–1355, Brisbane, Australia, 10-15 June 2012.
- [180] W. Fu, M. Johnston, and M. Zhang, Soft Edge Maps From Edge Detectors Evolved by Genetic Programming, in *Proceedings of the 2012 IEEE Congress on Evolutionary Computation*, edited by X. Li, pages 1356–1363, Brisbane, Australia, 10-15 June 2012.
- [181] B. R. Campomanes-Alvarez, S. Damas, and O. Cordon, Mesh Simplification for 3D Modeling using Evolutionary Multi-Objective Optimization, in *Proceedings of the 2012 IEEE Congress on Evolutionary Computation*, edited by X. Li, pages 1364–1371, Brisbane, Australia, 10-15 June 2012.
- [182] S. S. Nielsen, B. Dorronsoro, G. Danoy, and P. Bouvry, Novel Efficient Asynchronous Cooperative Co-evolutionary Multi-Objective Algorithms, in *Proceedings of the 2012 IEEE Congress on Evolutionary Computation*, edited by X. Li, pages 1372–1378, Brisbane, Australia, 10-15 June 2012.
- [183] S. Elsayed, R. Sarker, and D. Essam, Memetic Multi-Topology Particle Swarm Optimizer for Constrained Optimization, in *Proceedings of the 2012 IEEE Congress on Evolutionary Computation*, edited by X. Li, pages 1379–1386, Brisbane, Australia, 10-15 June 2012.
- [184] T. Takahama and S. Sakai, Efficient Constrained Optimization by the Epsilon Constrained Rank-Based Differential Evolution, in *Proceedings of the 2012 IEEE Congress on Evolutionary Computation*, edited by X. Li, pages 1387–1394, Brisbane, Australia, 10-15 June 2012.

- [185] A. Saha and T. Ray, Equality Constrained Multi-Objective Optimization, in *Proceedings of the* 2012 IEEE Congress on Evolutionary Computation, edited by X. Li, pages 1395–1401, Brisbane, Australia, 10-15 June 2012.
- [186] M. R. Bonyadi and Z. Michalewicz, A Fast Particle Swarm Optimization Algorithm for the Multidimensional Knapsack Problem, in *Proceedings of the 2012 IEEE Congress on Evolutionary Computation*, edited by X. Li, pages 1402–1409, Brisbane, Australia, 10-15 June 2012.
- [187] A. Engelbrecht, Particle Swarm Optimization: Velocity Initialization, in *Proceedings of the* 2012 IEEE Congress on Evolutionary Computation, edited by X. Li, pages 1410–1417, Brisbane, Australia, 10-15 June 2012.
- [188] M. Hardhienata, K. Merrick, and V. Ugrinovskii, Task Allocation in Multi-Agent Systems using Models of Motivation and Leadership, in *Proceedings of the 2012 IEEE Congress on Evolutionary Computation*, edited by X. Li, pages 1418–1425, Brisbane, Australia, 10-15 June 2012.
- [189] F. Guderian, R. Schaffer, and G. Fettweis, Dimensioning the Heterogeneous Multicluster Architecture via Parallelism Analysis and Evolutionary Computing, in *Proceedings of the 2012 IEEE Congress on Evolutionary Computation*, edited by X. Li, pages 1426–1433, Brisbane, Australia, 10-15 June 2012.
- [190] F. Guderian, R. Schaffer, and G. Fettweis, Administration- and Communication-Aware IP Core Mapping in Scalable Multiprocessor System-on-Chips via Evolutionary Computing, in Proceedings of the 2012 IEEE Congress on Evolutionary Computation, edited by X. Li, pages 1434–1441, Brisbane, Australia, 10-15 June 2012.
- [191] E. Sayed, D. Esam, and R. Sarker, Dependency Identification Technique for Large Scale Optimization Problems, in *Proceedings of the 2012 IEEE Congress on Evolutionary Computation*, edited by X. Li, pages 1442–1449, Brisbane, Australia, 10-15 June 2012.
- [192] A. Valsecchi, S. Damas, and J. Santamaria, An Image Registration Approach using Genetic Algorithms, in *Proceedings of the 2012 IEEE Congress on Evolutionary Computation*, edited by X. Li, pages 1450–1457, Brisbane, Australia, 10-15 June 2012.
- [193] W. Albukhanajer, Y. Jin, J. Briffa, and G. Williams, Evolutionary Multi-Objective Optimization of Trace Transform for Invariant Feature Extraction, in *Proceedings of the 2012 IEEE Congress on Evolutionary Computation*, edited by X. Li, pages 1458–1465, Brisbane, Australia, 10-15 June 2012.
- [194] X. Feng and A. Song, Evolving Frame Splitters by Genetic Programming, in *Proceedings of the* 2012 IEEE Congress on Evolutionary Computation, edited by X. Li, pages 1466–1472, Brisbane, Australia, 10-15 June 2012.
- [195] X. Zhang and W. Luo, Evolutionary Repair for Evolutionary Design of Combinational Logic Circuits, in *Proceedings of the 2012 IEEE Congress on Evolutionary Computation*, edited by X. Li, pages 1473–1480, Brisbane, Australia, 10-15 June 2012.
- [196] L. Sekanina, V. Salajka, and Z. Vasicek, Two-Step Evolution of Polymorphic Circuits for Image Multi-Filtering, in *Proceedings of the 2012 IEEE Congress on Evolutionary Computation*, edited by X. Li, pages 1481–1488, Brisbane, Australia, 10-15 June 2012.
- [197] M. Tanaka and T. Takahama, Restoration of Motion-Blurred Line Drawings by Differential Evolution and Richardson-Lucy Algorithm, in *Proceedings of the 2012 IEEE Congress on Evolutionary Computation*, edited by X. Li, pages 1489–1496, Brisbane, Australia, 10-15 June 2012.
- [198] K. Balazs and L. T. Koczy, Hybrid Bacterial Iterated Greedy Heuristics for the Permutation Flow Shop Problem, in *Proceedings of the 2012 IEEE Congress on Evolutionary Computation*, edited by X. Li, pages 1497–1504, Brisbane, Australia, 10-15 June 2012.

- [199] J. Xiong, H. Abbass, and K. Shafi, Multi-Uncertainty Problems (MUP) with Applications to Managing Risk in Resource-Constrained Project Scheduling, in *Proceedings of the 2012 IEEE Congress on Evolutionary Computation*, edited by X. Li, pages 1505–1512, Brisbane, Australia, 10-15 June 2012.
- [200] B. Mitavskiy and J. He, A Polynomial Time Approximation Scheme for a Single Machine Scheduling Problem Using a Hybrid Evolutionary Algorithm, in *Proceedings of the 2012 IEEE Congress on Evolutionary Computation*, edited by X. Li, pages 1513–1520, Brisbane, Australia, 10-15 June 2012.
- [201] L. While and L. Bradstreet, Applying the WFG Algorithm to Calculate Incremental Hypervolumes, in *Proceedings of the 2012 IEEE Congress on Evolutionary Computation*, edited by X. Li, pages 1521–1528, Brisbane, Australia, 10-15 June 2012.
- [202] O. Chikumbo, E. Goodman, and K. Deb, Approximating a multi-dimensional Pareto front for a land use management problem: A modified MOEA with an epigenetic silencing metaphor, in Proceedings of the 2012 IEEE Congress on Evolutionary Computation, edited by X. Li, pages 1529–1537, Brisbane, Australia, 10-15 June 2012.
- [203] D. Yazdani, M. R. Akbarzadeh-Totonchi, B. Nasiri, and M. R. Meybodi, A New Artificial Fish Swarm Algorithm for Dynamic Optimization Problems, in *Proceedings of the 2012 IEEE Congress on Evolutionary Computation*, edited by X. Li, pages 1538–1545, Brisbane, Australia, 10-15 June 2012.
- [204] E. Mezura-Montes and E. A. Lopez-Davila, Adaptation and Local Search in the Modified Bacterial Foraging Algorithm for Constrained Optimization, in *Proceedings of the 2012 IEEE Congress on Evolutionary Computation*, edited by X. Li, pages 1546–1553, Brisbane, Australia, 10-15 June 2012.
- [205] A. Lemonge, H. Barbosa, and H. Bernardino, A Family of Adaptive Penalty Schemes for Steady-state Genetic Algorithms, in *Proceedings of the 2012 IEEE Congress on Evolutionary Computation*, edited by X. Li, pages 1554–1561, Brisbane, Australia, 10-15 June 2012.
- [206] Y. Orito, H. Yamamoto, and Y. Tsujimura, Equality Constrained Long-Short Portfolio Replication by Using Probabilistic Model-building GA, in *Proceedings of the 2012 IEEE Congress* on *Evolutionary Computation*, edited by X. Li, pages 1562–1569, Brisbane, Australia, 10-15 June 2012.
- [207] A. Ghosh, A. Ghosh, A. Chowdhury, A. Konar, E. Kim, and A. K. Nagar, Linear Phase Low Pass FIR Filter Design Using Genetic Particle Swarm Optimization with Dynamically Varying Neighborhood Technique, in *Proceedings of the 2012 IEEE Congress on Evolutionary Computation*, edited by X. Li, pages 1570–1576, Brisbane, Australia, 10-15 June 2012.
- [208] K. Deep, P. Chauhan, and M. Pant, Totally Disturbed Chaotic Particle Swarm Optimization, in *Proceedings of the 2012 IEEE Congress on Evolutionary Computation*, edited by X. Li, pages 1577–1584, Brisbane, Australia, 10-15 June 2012.
- [209] A. Ernst and G. Singh, Lagrangian Particle Swarm Optimization for a Resource Constrained Machine Scheduling Problem, in *Proceedings of the 2012 IEEE Congress on Evolutionary Computation*, edited by X. Li, pages 1585–1592, Brisbane, Australia, 10-15 June 2012.
- [210] H. Fu, B. Sendhoff, K. Tang, and X. Yao, Characterizing Environmental Changes in Robust Optimization Over Time, in *Proceedings of the 2012 IEEE Congress on Evolutionary Computation*, edited by X. Li, pages 1593–1600, Brisbane, Australia, 10-15 June 2012.
- [211] L. Xiao and X. Zuo, Multi-DEPSO—a DE and PSO Based Hybrid Algorithm in Dynamic Environments, in *Proceedings of the 2012 IEEE Congress on Evolutionary Computation*, edited by X. Li, pages 1601–1607, Brisbane, Australia, 10-15 June 2012.

- [212] J. H. Yoo, H.-S. Seok, and B.-T. Zhang, Evolutionary Particle Filtering for Sequential Dependency Learning from Video Data, in *Proceedings of the 2012 IEEE Congress on Evolutionary Computation*, edited by X. Li, pages 1608–1615, Brisbane, Australia, 10-15 June 2012.
- [213] A. Zamuda and J. Brest, Tree Model Reconstruction Innovization Using Multi-objective Differential Evolution, in *Proceedings of the 2012 IEEE Congress on Evolutionary Computation*, edited by X. Li, pages 1616–1623, Brisbane, Australia, 10-15 June 2012.
- [214] Z. Zhang, H. S. Seah, and J. Sun, A Hybrid Particle Swarm Optimization with Cooperative Method for Multi-Object Tracking, in *Proceedings of the 2012 IEEE Congress on Evolutionary Computation*, edited by X. Li, pages 1624–1629, Brisbane, Australia, 10-15 June 2012.
- [215] H. Al-Sahaf, A. Song, K. Neshatian, and M. Zhang, Extracting Image Features for Classification By Two-Tier Genetic Programming, in *Proceedings of the 2012 IEEE Congress on Evolutionary Computation*, edited by X. Li, pages 1630–1637, Brisbane, Australia, 10-15 June 2012.
- [216] J. J. Liang, B. Qu, P. N. Suganthan, and B. Niu, Dynamic Multi-Swarm Particle Swarm Optimization for Multi-Objective Optimization Problems, in *Proceedings of the 2012 IEEE Congress on Evolutionary Computation*, edited by X. Li, pages 1638–1645, Brisbane, Australia, 10-15 June 2012.
- [217] A. Britto and A. Pozo, Using Archiving Methods to Control Convergence and Diversity for Many-Objective Problems in Particle Swarm Optimization, in *Proceedings of the 2012 IEEE Congress on Evolutionary Computation*, edited by X. Li, pages 1646–1653, Brisbane, Australia, 10-15 June 2012.
- [218] O. C. Junior, A. Britto, and A. Pozo, A Comparison of Methods for Leader Selection in Many-Objective Problems, in *Proceedings of the 2012 IEEE Congress on Evolutionary Computation*, edited by X. Li, pages 1654–1661, Brisbane, Australia, 10-15 June 2012.
- [219] F. Yan, P. Q. Le, A. M. Iliyasu, B. Sun, J. A. Garcia, F. Dong, and K. Hirota, Assessing the Similarity of Quantum Images based on Probability Measurements, in *Proceedings of the* 2012 IEEE Congress on Evolutionary Computation, edited by X. Li, pages 1662–1667, Brisbane, Australia, 10-15 June 2012.
- [220] M. M. Rahman and G. Dueck, An Algorithm to Find Quantum Templates, in *Proceedings of the* 2012 IEEE Congress on Evolutionary Computation, edited by X. Li, pages 1668–1674, Brisbane, Australia, 10-15 June 2012.
- [221] X. Juan, C. Han-wu, L. Zhihao, R. Yue, and Z. Wanning, Quantum secret sharing without exclusive OR of qubits' measuring results, in *Proceedings of the 2012 IEEE Congress on Evolutionary Computation*, edited by X. Li, pages 1675–1678, Brisbane, Australia, 10-15 June 2012.
- [222] M. Wenping, H. Yuanyuan, L. Congling, and L. Jing, Image Segmentation Based On A Hybrid Immune Memetic Algorithm, in *Proceedings of the 2012 IEEE Congress on Evolutionary Computation*, edited by X. Li, pages 1679–1686, Brisbane, Australia, 10-15 June 2012.
- [223] M. Duma, B. Twala, T. Marwala, and F. Nelwamondo, Classification with Missing Data using Multi-Layered Artificial Immune Systems, in *Proceedings of the 2012 IEEE Congress on Evolutionary Computation*, edited by X. Li, pages 1687–1694, Brisbane, Australia, 10-15 June 2012.
- [224] W. Zhang and G. Yen, Immune-inspired Evolutionary Algorithm for Constrained Optimization, in *Proceedings of the 2012 IEEE Congress on Evolutionary Computation*, edited by X. Li, pages 1695–1702, Brisbane, Australia, 10-15 June 2012.
- [225] S. Ludwig, Step-Optimized Particle Swarm Optimization, in *Proceedings of the 2012 IEEE Congress on Evolutionary Computation*, edited by X. Li, pages 1703–1711, Brisbane, Australia, 10-15 June 2012.

- [226] M. Epitropakis, D. Tasoulis, N. Pavlidis, V. Plagianakos, and M. Vrahatis, Tracking Particle Swarm Optimizers: An adaptive approach through multinomial distribution tracking with exponential forgetting, in *Proceedings of the 2012 IEEE Congress on Evolutionary Computation*, edited by X. Li, pages 1712–1719, Brisbane, Australia, 10-15 June 2012.
- [227] T. Hendtlass, Restarting Particle Swarm Optimisation, in *Proceedings of the 2012 IEEE Congress on Evolutionary Computation*, edited by X. Li, pages 1720–1728, Brisbane, Australia, 10-15 June 2012.
- [228] E. Segredo, C. Segura, and C. Leon, Analysing the Robustness of Multiobjectivisation Parameters with Large Scale Optimisation Problems, in *Proceedings of the 2012 IEEE Congress on Evolutionary Computation*, edited by X. Li, pages 1729–1736, Brisbane, Australia, 10-15 June 2012.
- [229] X. Cai, Z. Hu, S. Das, and S. Welch, A Hierarchical Pareto Dominance based Multi-objective Approach for the Optimization of Gene Regulatory Network Models, in *Proceedings of the 2012 IEEE Congress on Evolutionary Computation*, edited by X. Li, pages 1737–1742, Brisbane, Australia, 10-15 June 2012.
- [230] D. Lee, L. F. Gonzalez, P. Jacques, and G. Bugeda, Multi-Objective Design Optimization of Morphing UAV Aerofoil/Wing Using Hybridised MOGA, in *Proceedings of the 2012 IEEE Congress on Evolutionary Computation*, edited by X. Li, pages 1743–1750, Brisbane, Australia, 10-15 June 2012.
- [231] Z. Liu, H. Chen, J. Xu, W. Li, and Z. Li, Deterministic Secure Quantum Communication with Mutual Authentication Based on Bell Measurement, in *Proceedings of the 2012 IEEE Congress on Evolutionary Computation*, edited by X. Li, pages 1751–1755, Brisbane, Australia, 10-15 June 2012.
- [232] H. Izadinia and M. M. Ebadzadeh, Adaptive Quantum-Inspired Evolution Strategy, in *Proceedings of the 2012 IEEE Congress on Evolutionary Computation*, edited by X. Li, pages 1760–1767, Brisbane, Australia, 10-15 June 2012.
- [233] E. Borges, D. G. Ferrari, and L. N. de Castro, Silhouette-Based Clustering using an Immune Network, in *Proceedings of the 2012 IEEE Congress on Evolutionary Computation*, edited by X. Li, pages 1768–1776, Brisbane, Australia, 10-15 June 2012.
- [234] L. A. Carraro and L. N. de Castro, A Clonal Selection Algorithm to Minimize Reshuffling in Container Stacking Operations, in *Proceedings of the 2012 IEEE Congress on Evolutionary Computation*, edited by X. Li, pages 1777–1784, Brisbane, Australia, 10-15 June 2012.
- [235] A. Nascimento and G. Vasconcelos, An Experimental Investigation of Artificial Immune System Algorithms for Credit Risk Assessment Applications, in *Proceedings of the 2012 IEEE Congress* on Evolutionary Computation, edited by X. Li, pages 1785–1792, Brisbane, Australia, 10-15 June 2012.
- [236] V. Lattarulo and G. T. Parks, A Preliminary Study of a new Multi-objective Optimization Algorithm, in *Proceedings of the 2012 IEEE Congress on Evolutionary Computation*, edited by X. Li, pages 1793–1800, Brisbane, Australia, 10-15 June 2012.
- [237] V. A. Shim, K. C. Tan, and K. K. Tan, A Hybrid Estimation of Distribution Algorithm for Solving the Multi-objective Multiple Traveling Salesman Problem, in *Proceedings of the 2012 IEEE Congress on Evolutionary Computation*, edited by X. Li, pages 1809–1816, Brisbane, Australia, 10-15 June 2012.
- [238] L. Lin, Z. Ji, Z. Zhu, and S. He, A Crown Jewel Defense Strategy Based Particle Swarm Optimization, in *Proceedings of the 2012 IEEE Congress on Evolutionary Computation*, edited by X. Li, pages 1817–1822, Brisbane, Australia, 10-15 June 2012.

- [239] K. Deep, P. Chauhan, and M. Pant, Multi Task Selection including Part Mix, Tool Allocation and Process Plans in CNC Machining Centers using New Binary PSO, in *Proceedings of the* 2012 IEEE Congress on Evolutionary Computation, edited by X. Li, pages 1823–1830, Brisbane, Australia, 10-15 June 2012.
- [240] Z. Ji, T. Tian, Z. Zhu, and S. He, A Memory Binary Particle Swarm Optimization, in *Proceedings* of the 2012 IEEE Congress on Evolutionary Computation, edited by X. Li, pages 1831–1835, Brisbane, Australia, 10-15 June 2012.
- [241] I. Fajfar, Selection Strategies and Random Perturbations in Differential Evolution, in *Proceedings* of the 2012 IEEE Congress on Evolutionary Computation, edited by X. Li, pages 1836–1842, Brisbane, Australia, 10-15 June 2012.
- [242] X. Zhang and S. Y. Yuen, Opposition-Based Adaptive Differential Evolution, in *Proceedings* of the 2012 IEEE Congress on Evolutionary Computation, edited by X. Li, pages 1843–1850, Brisbane, Australia, 10-15 June 2012.
- [243] S. Barmada, M. Raugi, and M. Tucci, Global Optimization Algorithm Based on Self-Organizing Centroids, in *Proceedings of the 2012 IEEE Congress on Evolutionary Computation*, edited by X. Li, pages 1851–1856, Brisbane, Australia, 10-15 June 2012.
- [244] M. Pilat and R. Neruda, An Evolutionary Strategy for Surrogate-Based Multiobjective Optimization, in *Proceedings of the 2012 IEEE Congress on Evolutionary Computation*, edited by X. Li, pages 1857–1863, Brisbane, Australia, 10-15 June 2012.
- [245] K. Nag and T. Pal, A new Archive based Steady State Genetic Algorithm, in *Proceedings of the* 2012 IEEE Congress on Evolutionary Computation, edited by X. Li, pages 1864–1870, Brisbane, Australia, 10-15 June 2012.
- [246] F. Kudo and T. Yoshikawa, Knowledge Extraction in Multi-objective Optimization Problem based on Visualization of Pareto Solutions, in *Proceedings of the 2012 IEEE Congress on Evolutionary Computation*, edited by X. Li, pages 1871–1876, Brisbane, Australia, 10-15 June 2012.
- [247] L. Cervante, B. Xue, M. Zhang, and L. Shang, Binary Particle Swarm Optimisation for Feature Selection: A Filter Based Approach, in *Proceedings of the 2012 IEEE Congress on Evolutionary Computation*, edited by X. Li, pages 1877–1884, Brisbane, Australia, 10-15 June 2012.
- [248] G. Zhang, M. Mahfouf, G. Panoutsos, and S. Wang, A Multi-objective Particle Swarm Optimization Algorithm with a Dynamic Hypercube Archive, Mutation and Population Competition, in *Proceedings of the 2012 IEEE Congress on Evolutionary Computation*, edited by X. Li, pages 1885–1891, Brisbane, Australia, 10-15 June 2012.
- [249] J. Rada-Vilela, M. Zhang, and W. Seah, A Performance Study on the Effects of Noise and Evaporation in Particle Swarm Optimization, in *Proceedings of the 2012 IEEE Congress on Evolutionary Computation*, edited by X. Li, pages 1892–1899, Brisbane, Australia, 10-15 June 2012.
- [250] I. Moser and M. Gheorghita, Combining Search Space Diagnostics and Optimisation, in *Proceedings of the 2012 IEEE Congress on Evolutionary Computation*, edited by X. Li, pages 1900–1907, Brisbane, Australia, 10-15 June 2012.
- [251] S. Balcar, M. Pilat, and R. Neruda, An Evolutionary Algorithm for 2D Semi-Guillotinable Circular Saw Cutting, in *Proceedings of the 2012 IEEE Congress on Evolutionary Computation*, edited by X. Li, pages 1908–1912, Brisbane, Australia, 10-15 June 2012.
- [252] B. Bruck, A. Santos, and J. Arroyo, Hybrid metaheuristic for the single vehicle routing problem with deliveries and selective pickups, in *Proceedings of the 2012 IEEE Congress on Evolutionary Computation*, edited by X. Li, pages 1913–1920, Brisbane, Australia, 10-15 June 2012.

- [253] J. De Weerdt, S. vanden Broucke, J. Vanthienen, and B. Baesens, Leveraging Process Discovery with Trace Clustering and Text Mining for Intelligent Analysis of Incident Management Processes, in *Proceedings of the 2012 IEEE Congress on Evolutionary Computation*, edited by X. Li, pages 1921–1928, Brisbane, Australia, 10-15 June 2012.
- [254] J. Buijs, B. van Dongen, and W. van der Aals, A Genetic Algorithm for Discovering Process Trees, in *Proceedings of the 2012 IEEE Congress on Evolutionary Computation*, edited by X. Li, pages 1929–1936, Brisbane, Australia, 10-15 June 2012.
- [255] Y. Yang, S. Mabu, and K. Hirasawa, A Multitasks Learning Approach to Autonomous Agent based on Genetic Network Programming, in *Proceedings of the 2012 IEEE Congress on Evolutionary Computation*, edited by X. Li, pages 1937–1943, Brisbane, Australia, 10-15 June 2012.
- [256] M. Matayoshi, Landscape Information Extraction from Chromosome based on a Quality Control Approach, in *Proceedings of the 2012 IEEE Congress on Evolutionary Computation*, edited by X. Li, pages 1944–1951, Brisbane, Australia, 10-15 June 2012.
- [257] R. Cheng, M. Yao, X. Xue, and B. Shen, Bisexual Evolution: A Novel Bisexual Evolutionary Framework Based on the Fisher's Runaway Process, in *Proceedings of the 2012 IEEE Congress on Evolutionary Computation*, edited by X. Li, pages 1952–1959, Brisbane, Australia, 10-15 June 2012.
- [258] S. Ludwig, Clonal Selection based Genetic Algorithm for Workflow Service Selection, in *Proceedings of the 2012 IEEE Congress on Evolutionary Computation*, edited by X. Li, pages 1960–1966, Brisbane, Australia, 10-15 June 2012.
- [259] H. Albaity, S. Meshoul, and A. Kaban, On Extending Quantum Behaved Particle Swarm Optimization to MultiObjective Context, in *Proceedings of the 2012 IEEE Congress on Evolutionary Computation*, edited by X. Li, pages 1967–1974, Brisbane, Australia, 10-15 June 2012.
- [260] D. Hadka, P. Reed, and T. Simpson, Diagnostic Assessment of the Borg MOEA for Many-Objective Product Family Design Problems, in *Proceedings of the 2012 IEEE Congress on Evolutionary Computation*, edited by X. Li, pages 1975–1984, Brisbane, Australia, 10-15 June 2012.
- [261] J. Yuen, S. Gao, M. Wagner, and F. Neumann, An Adaptive Data Structure for Evolutionary Multi-Objective Algorithms with Unbounded Archives, in *Proceedings of the 2012 IEEE Congress* on Evolutionary Computation, edited by X. Li, pages 1985–1992, Brisbane, Australia, 10-15 June 2012.
- [262] M. Hussein and M. Petering, Genetic Algorithm-Based Simulation Optimization of Stacking Algorithms for Yard Cranes to Reduce Fuel Consumption at Seaport Container Transshipment Terminals, in *Proceedings of the 2012 IEEE Congress on Evolutionary Computation*, edited by X. Li, pages 1993–2000, Brisbane, Australia, 10-15 June 2012.
- [263] M. Weerasinghe and G. Sofronov, A Modified Cross Entropy Method for Detecting Multiple Change Points in DNA Count Data, in *Proceedings of the 2012 IEEE Congress on Evolutionary Computation*, edited by X. Li, pages 2001–2008, Brisbane, Australia, 10-15 June 2012.
- [264] D. G. Coelho, E. F. Wanner, S. R. Souza, E. G. Carrano, and R. C. Purshouse, A Multiobjective Evolutionary Algorithm for the 2D Guillotine Strip Packing Problem, in *Proceedings of the* 2012 IEEE Congress on Evolutionary Computation, edited by X. Li, pages 2009–2016, Brisbane, Australia, 10-15 June 2012.
- [265] R. Chiong and M. Kirley, The Evolution of Cooperation via Stigmergic Interactions, in *Proceedings of the 2012 IEEE Congress on Evolutionary Computation*, edited by X. Li, pages 2017–2024, Brisbane, Australia, 10-15 June 2012.

- [266] H. T. Anh, M. P. Luis, and C. S. Francisco, Intention Recognition, Commitment and the Evolution of Cooperation, in *Proceedings of the 2012 IEEE Congress on Evolutionary Computation*, edited by X. Li, pages 2025–2032, Brisbane, Australia, 10-15 June 2012.
- [267] E. Lakshika, M. Barlow, and A. Easton, Fidelity and Complexity of Standing Group Conversation Simulations: A Framework for the Evolution of Multi Agent Systems through Bootstrapping Human Aesthetic Judgments, in *Proceedings of the 2012 IEEE Congress on Evolutionary Computation*, edited by X. Li, pages 2033–2040, Brisbane, Australia, 10-15 June 2012.
- [268] D. Macharet, A. A. Neto, V. da Camara Neto, and M. Campos, Data Gathering Tour Optimization for Dubins' Vehicles, in *Proceedings of the 2012 IEEE Congress on Evolutionary Computation*, edited by X. Li, pages 2041–2048, Brisbane, Australia, 10-15 June 2012.
- [269] L. Riano and T. McGinnity, A Robot that Autonomously Improves Skills by Evolving Computational Graphs, in *Proceedings of the 2012 IEEE Congress on Evolutionary Computation*, edited by X. Li, pages 2049–2056, Brisbane, Australia, 10-15 June 2012.
- [270] M. Bidlo and Z. Vasicek, Evolution of Cellular Automata Using Instruction-Based Approach, in *Proceedings of the 2012 IEEE Congress on Evolutionary Computation*, edited by X. Li, pages 2057–2064, Brisbane, Australia, 10-15 June 2012.
- [271] M. Epitropakis, V. Plagianakos, and M. Vrahatis, Multimodal Optimization Using Niching Differential Evolution with Index-based Neighborhoods, in *Proceedings of the 2012 IEEE Congress on Evolutionary Computation*, edited by X. Li, pages 2065–2072, Brisbane, Australia, 10-15 June 2012.
- [272] R. Mallipeddi and M. Lee, Surrogate Model Assisted Ensemble Differential Evolution Algorithm, in *Proceedings of the 2012 IEEE Congress on Evolutionary Computation*, edited by X. Li, pages 2073–2080, Brisbane, Australia, 10-15 June 2012.
- [273] X. Wang and L. Tang, Multi-objective optimization using a hybrid differential evolution algorithm, in *Proceedings of the 2012 IEEE Congress on Evolutionary Computation*, edited by X. Li, pages 2081–2088, Brisbane, Australia, 10-15 June 2012.
- [274] H. Sato, Y. Hasegawa, D. Bollegala, and H. Iba, Probabilistic Model Building GP with Belief Propagation, in *Proceedings of the 2012 IEEE Congress on Evolutionary Computation*, edited by X. Li, pages 2089–2096, Brisbane, Australia, 10-15 June 2012.
- [275] X. Li, B. Li, S. Mabu, and K. Hirasawa, A Continuous Estimation of Distribution Algorithm by Evolving Graph Structures Using Reinforcement Learning, in *Proceedings of the 2012 IEEE Congress on Evolutionary Computation*, edited by X. Li, pages 2097–2104, Brisbane, Australia, 10-15 June 2012.
- [276] K. Mishra and M. Gallagher, Variable Screening for Reduced Dependency Modelling in Gaussian-based Continuous Estimation of Distribution Algorithms, in *Proceedings of the 2012 IEEE Congress on Evolutionary Computation*, edited by X. Li, pages 2105–2112, Brisbane, Australia, 10-15 June 2012.
- [277] V. A. Shim, K. C. Tan, and K. K. Tan, A Hybrid Adaptive Evolutionary Algorithm in the Domination-based and Decomposition-based Frameworks of Multi-objective Optimization, in Proceedings of the 2012 IEEE Congress on Evolutionary Computation, edited by X. Li, pages 2113–2120, Brisbane, Australia, 10-15 June 2012.
- [278] M. Abello, Z. Michalewicz, and L. T. Bui, A Reactive-Proactive Approach for Solving Dynamic Scheduling with Time-varying Number of Tasks, in *Proceedings of the 2012 IEEE Congress on Evolutionary Computation*, edited by X. Li, pages 2121–2130, Brisbane, Australia, 10-15 June 2012.
- [279] A. Mohammadi, M. N. Omidvar, and X. Li, Reference Point Based Multi-objective Optimization Through Decomposition, in *Proceedings of the 2012 IEEE Congress on Evolutionary Computation*, edited by X. Li, pages 2131–2138, Brisbane, Australia, 10-15 June 2012.

- [280] M. Yuwono, S. W. Su, B. Moulton, and H. Nguyen, Fast unsupervised learning method for rapid estimation of cluster centroids, in *Proceedings of the 2012 IEEE Congress on Evolutionary Computation*, edited by X. Li, pages 2139–2146, Brisbane, Australia, 10-15 June 2012.
- [281] A. Atyabi, M. Luerssen, S. P. Fitzgibbon, and D. M. W. Powers, Dimension Reduction in EEG Data using Particle Swarm Optimization, in *Proceedings of the 2012 IEEE Congress on Evolutionary Computation*, edited by X. Li, pages 2147–2154, Brisbane, Australia, 10-15 June 2012.
- [282] A. Atyabi, M. Luerssen, S. P. Fitzgibbon, and D. M. W. Powers, Adapting Subject-Independent Task-Specific EEG Feature Masks using PSO, in *Proceedings of the 2012 IEEE Congress on Evolutionary Computation*, edited by X. Li, pages 2155–2161, Brisbane, Australia, 10-15 June 2012.
- [283] M. A. Munoz, M. Kirley, and S. Halgamuge, Landscape Characterization of Numerical Optimization Problems Using Biased Scattered Data, in *Proceedings of the 2012 IEEE Congress on Evolutionary Computation*, edited by X. Li, pages 2162–2169, Brisbane, Australia, 10-15 June 2012.
- [284] K. Shimoyama, K. Sato, S. Jeong, and S. Obayashi, Comparison of the Criteria for Updating Kriging Response Surface Models in Multi-Objective Optimization, in *Proceedings of the 2012 IEEE Congress on Evolutionary Computation*, edited by X. Li, pages 2170–2177, Brisbane, Australia, 10-15 June 2012.
- [285] A. Arias-Montano, C. A. Coello Coello, and E. Mezura-Montes, Multi-Objective Airfoil Shape Optimization Using a Multiple-Surrogate Approach, in *Proceedings of the 2012 IEEE Congress on Evolutionary Computation*, edited by X. Li, pages 2178–2185, Brisbane, Australia, 10-15 June 2012.
- [286] S. Sengupta, S. Das, M. Nasir, A. V. Vasilakos, and W. Pedrycz, Energy-Efficient Differentiated Coverage of Dynamic Objects using an Improved Evolutionary Multi-objective optimization Algorithm with Fuzzy-Dominance, in *Proceedings of the 2012 IEEE Congress on Evolutionary Computation*, edited by X. Li, pages 2186–2193, Brisbane, Australia, 10-15 June 2012.
- [287] C.-L. Huo, S.-Y. Lin, T.-Y. Lai, Y.-S. Lien, and T.-Y. Sun, Multi-Objective Differential Evolution with Taguchi-based Adjustable Proportional Distribution, in *Proceedings of the 2012 IEEE Congress on Evolutionary Computation*, edited by X. Li, pages 2194–2201, Brisbane, Australia, 10-15 June 2012.
- [288] R. Liu, X. Wang, Y. Li, and Z. Xiangrong, Multi-objective Invasive Weed Optimization Algorithm for Clustering, in *Proceedings of the 2012 IEEE Congress on Evolutionary Computation*, edited by X. Li, pages 2202–2209, Brisbane, Australia, 10-15 June 2012.
- [289] G. Dick, Niche Allocation in Spatially-Structured Evolutionary Algorithms with Gradients, in *Proceedings of the 2012 IEEE Congress on Evolutionary Computation*, edited by X. Li, pages 2210–2217, Brisbane, Australia, 10-15 June 2012.
- [290] A. Leitao, F. B. Pereira, and P. Machado, Enhancing Cluster Geometry Optimization with Island Models, in *Proceedings of the 2012 IEEE Congress on Evolutionary Computation*, edited by X. Li, pages 2218–2225, Brisbane, Australia, 10-15 June 2012.
- [291] B. Dorronsoro and P. Bouvry, Study of Different Small-world Topology Generation Mechanisms for Genetic Algorithms, in *Proceedings of the 2012 IEEE Congress on Evolutionary Computation*, edited by X. Li, pages 2226–2233, Brisbane, Australia, 10-15 June 2012.
- [292] Y. Tao, J. Cao, Y. Zhang, J. Lin, and M. Li, Using Module-level Evolvable hardware Approach in Design of Sequential Logic Circuits, in *Proceedings of the 2012 IEEE Congress on Evolutionary Computation*, edited by X. Li, pages 2234–2241, Brisbane, Australia, 10-15 June 2012.
- [293] A. Moraglio, F. Otero, C. Johnson, S. Thompson, and A. Freitas, Evolving Recursive Programs using Non-recursive Scaffolding, in *Proceedings of the 2012 IEEE Congress on Evolutionary Computation*, edited by X. Li, pages 2242–2249, Brisbane, Australia, 10-15 June 2012.

- [294] T. Castle and C. Johnson, Evolving Program Trees with Limited Scope Variable Declarations, in *Proceedings of the 2012 IEEE Congress on Evolutionary Computation*, edited by X. Li, pages 2250–2257, Brisbane, Australia, 10-15 June 2012.
- [295] A. El-Bouri, An Investigation of Initial Solutions on the Performance of an Iterated Local Search Algorithm for the Permutation Flowshop, in *Proceedings of the 2012 IEEE Congress on Evolutionary Computation*, edited by X. Li, pages 2258–2262, Brisbane, Australia, 10-15 June 2012.
- [296] R. Bansal, K. Srivastava, and S. Srivastava, A Hybrid Evolutionary Algorithm for the Cutwidth Minimization Problem, in *Proceedings of the 2012 IEEE Congress on Evolutionary Computation*, edited by X. Li, pages 2263–2270, Brisbane, Australia, 10-15 June 2012.
- [297] Z. Wu, L. Xu, T. W. S. Chow, and M. Zhao, Local Cooperation Delivers Global Optimization, in *Proceedings of the 2012 IEEE Congress on Evolutionary Computation*, edited by X. Li, pages 2271–2278, Brisbane, Australia, 10-15 June 2012.
- [298] C. Johnson, Search-based Evolutionary Operators for Extensionally-defined Search Spaces: Applications to Image Search, in *Proceedings of the 2012 IEEE Congress on Evolutionary Computation*, edited by X. Li, pages 2279–2285, Brisbane, Australia, 10-15 June 2012.
- [299] W. Cancino, N. Boukhelifa, and E. Lutton, EvoGraphDice: Interactive Evolution for Visual Analytics, in *Proceedings of the 2012 IEEE Congress on Evolutionary Computation*, edited by X. Li, pages 2286–2293, Brisbane, Australia, 10-15 June 2012.
- [300] A. Sinha, A. Pandey, and K. Deb, Solving High Objective Problems in Fixed Interactions with the Decision Maker, in *Proceedings of the 2012 IEEE Congress on Evolutionary Computation*, edited by X. Li, pages 2294–2301, Brisbane, Australia, 10-15 June 2012.
- [301] C. Szabo and T. Kroeger, Evolving Multi-objective Strategies for Task Allocation of Scientific Workflows on Public Clouds, in *Proceedings of the 2012 IEEE Congress on Evolutionary Computation*, edited by X. Li, pages 2302–2309, Brisbane, Australia, 10-15 June 2012.
- [302] J. Stringer, G. Lamont, and G. Akers, Radar Phase-Coded Waveform Design using Multi-Objective Evolutionary Algorithms, in *Proceedings of the 2012 IEEE Congress on Evolutionary Computation*, edited by X. Li, pages 2310–2317, Brisbane, Australia, 10-15 June 2012.
- [303] S.-J. Ryu, K.-B. Lee, and J.-H. Kim, Improved Version of a Multiobjective Quantum-inspired Evolutionary Algorithm with Preference-based Selection, in *Proceedings of the 2012 IEEE Congress on Evolutionary Computation*, edited by X. Li, pages 2318–2324, Brisbane, Australia, 10-15 June 2012.
- [304] C. D. Jordan and T. Kroeger, An Evolutionary Algorithm for Bilevel Optimisation of Men's Team Pursuit Track Cycling, in *Proceedings of the 2012 IEEE Congress on Evolutionary Computation*, edited by X. Li, pages 2325–2332, Brisbane, Australia, 10-15 June 2012.
- [305] A. Sinha, P. Malo, and K. Deb, Unconstrained Scalable Test Problems for Single-Objective Bilevel Optimization, in *Proceedings of the 2012 IEEE Congress on Evolutionary Computation*, edited by X. Li, pages 2333–2340, Brisbane, Australia, 10-15 June 2012.
- [306] S. Wesolkowski, D. Wojtaszek, and K. Willick, Multi-objective Optimization of the Fleet Mix Problem Using the SaFER Model, in *Proceedings of the 2012 IEEE Congress on Evolutionary Computation*, edited by X. Li, pages 2341–2348, Brisbane, Australia, 10-15 June 2012.
- [307] M. Tsuji, M. Sato, A. Tanabe, Y. Inagaki, and T. Hashimoto, An Asynchronous Parallel Genetic Algorithm for the Maximum Likelihood Phylogenetic Tree Search, in *Proceedings of the 2012 IEEE Congress on Evolutionary Computation*, edited by X. Li, pages 2349–2356, Brisbane, Australia, 10-15 June 2012.
- [308] Z. M. Yusoh and M. Tang, Clustering Composite SaaS Components in Cloud Computing using a Grouping Genetic Algorithm, in *Proceedings of the 2012 IEEE Congress on Evolutionary Computation*, edited by X. Li, pages 2357–2364, Brisbane, Australia, 10-15 June 2012.

- [309] C. Chira, A. Gog, and D. Iclanzan, Evolutionary Detection of Community Structures in Complex Networks: a New Fitness Function, in *Proceedings of the 2012 IEEE Congress on Evolutionary Computation*, edited by X. Li, pages 2365–2372, Brisbane, Australia, 10-15 June 2012.
- [310] K. Kim, B. R. McKay, and Nguyen Xuan Hoai, Implicit Bias in Grammar-based Estimation of Distribution Genetic Programming: The Effects of Recursive Structure, in *Proceedings of the 2012 IEEE Congress on Evolutionary Computation*, edited by X. Li, pages 2373–2380, Brisbane, Australia, 10-15 June 2012.
- [311] M. Nicolau, M. O'Neill, and A. Brabazon, Termination in Grammatical Evolution: Grammar Design, Wrapping, and Tails, in *Proceedings of the 2012 IEEE Congress on Evolutionary Computation*, edited by X. Li, pages 2381–2388, Brisbane, Australia, 10-15 June 2012.
- [312] Y. Hanada, N. Hosokawa, K. Ono, and M. Muneyasu, Effectiveness of Multi-step Crossover Fusions in Genetic Programming, in *Proceedings of the 2012 IEEE Congress on Evolutionary Computation*, edited by X. Li, pages 2389–2396, Brisbane, Australia, 10-15 June 2012.
- [313] A. B. Rohler and S. Chen, Multi-swarm hybrid for multi-modal optimization, in *Proceedings* of the 2012 IEEE Congress on Evolutionary Computation, edited by X. Li, pages 2397–2404, Brisbane, Australia, 10-15 June 2012.
- [314] A. Aleti, I. Moser, and S. Mostaghim, Adaptive Range Parameter Control, in *Proceedings of the* 2012 IEEE Congress on Evolutionary Computation, edited by X. Li, pages 2405–2412, Brisbane, Australia, 10-15 June 2012.
- [315] J. J. Liang, M. X. B, B. Y. Qu, B. Niu, and T. J. Chen, Elite Multi-Group Differential Evolution, in *Proceedings of the 2012 IEEE Congress on Evolutionary Computation*, edited by X. Li, pages 2413–2419, Brisbane, Australia, 10-15 June 2012.
- [316] A. Knittel, Learning Feature Hierarchies under Reinforcement, in *Proceedings of the 2012 IEEE Congress on Evolutionary Computation*, edited by X. Li, pages 2420–2427, Brisbane, Australia, 10-15 June 2012.
- [317] H. Williams and W. Browne, Integration of Learning Classifier Systems with Simultaneous Localisation and Mapping for Autonomous Robotics, in *Proceedings of the 2012 IEEE Congress on Evolutionary Computation*, edited by X. Li, pages 2428–2435, Brisbane, Australia, 10-15 June 2012.
- [318] A. Sengupta, T. Chakraborti, A. Konar, E. Kim, and A. K. Nagar, An Adaptive Memetic Algorithm Using a Synergy of Differential Evolution and Learning Automata, in *Proceedings of the 2012 IEEE Congress on Evolutionary Computation*, edited by X. Li, pages 2436–2443, Brisbane, Australia, 10-15 June 2012.
- [319] P. Bhowmik, P. Rakshit, A. Konar, E. Kim, and A. K. Nagar, DE-TDQL: An Adaptive Memetic Algorithm, in *Proceedings of the 2012 IEEE Congress on Evolutionary Computation*, edited by X. Li, pages 2444–2451, Brisbane, Australia, 10-15 June 2012.
- [320] G. Jones, C. Lovell, S. Gunn, H. Morgan, and K.-P. Zauner, Enabling the Discovery of Computational Characteristics of Enzyme Dynamics, in *Proceedings of the 2012 IEEE Congress* on Evolutionary Computation, edited by X. Li, pages 2452–2459, Brisbane, Australia, 10-15 June 2012.
- [321] J. Poon, D. Yin, S. Poon, R. Zhang, B. Liu, and D. Sze, Co-evolution of Symptom-Herb Relationship, in *Proceedings of the 2012 IEEE Congress on Evolutionary Computation*, edited by X. Li, pages 2460–2465, Brisbane, Australia, 10-15 June 2012.
- [322] H. Nguyen and I. Wood, Variable selection in statistical models using population-based incremental learning with applications to genome-wide association studies, in *Proceedings of the 2012 IEEE Congress on Evolutionary Computation*, edited by X. Li, pages 2466–2473, Brisbane, Australia, 10-15 June 2012.

- [323] T. Sandran, N. Zakaria, and A. J. Pal, Performance Profile of Some Hybrid Heuristic Search Techniques using Compiler Flag Selection as a Seed Example, in *Proceedings of the 2012 IEEE Congress on Evolutionary Computation*, edited by X. Li, pages 2474–2478, Brisbane, Australia, 10-15 June 2012.
- [324] B. Liu, Q. Zhang, F. V. Fernandez, and G. Gielen, Self-adaptive Lower Confidence Bound: A New General and Effective Prescreening Method for Gaussian Process Surrogate Model Assisted Evolutionary Algorithms, in *Proceedings of the 2012 IEEE Congress on Evolutionary Computation*, edited by X. Li, pages 2479–2484, Brisbane, Australia, 10-15 June 2012.
- [325] I. Couckuyt, D. Deschrijver, and T. Dhaene, Towards Efficient Multiobjective Optimization: Multiobjective Statistical Criterions, in *Proceedings of the 2012 IEEE Congress on Evolutionary Computation*, edited by X. Li, pages 2485–2492, Brisbane, Australia, 10-15 June 2012.
- [326] D. Bodas-Sagi, F. J. Soltero, J. I. Hidalgo, P. Fernandez-Blanco, and F. F. de Vega, A Technique for the optimization of the parameters of Technical Indicators with Multi-Objective Evolutionary Algorithms, in *Proceedings of the 2012 IEEE Congress on Evolutionary Computation*, edited by X. Li, pages 2493–2500, Brisbane, Australia, 10-15 June 2012.
- [327] E. Semenkin and M. Semenkina, Self-configuring genetic programming algorithm with modified uniform crossover, in *Proceedings of the 2012 IEEE Congress on Evolutionary Computation*, edited by X. Li, pages 2501–2506, Brisbane, Australia, 10-15 June 2012.
- [328] F. Xie, A. Song, and V. Ciesielski, Event Detection in Time Series by Genetic Programming, in *Proceedings of the 2012 IEEE Congress on Evolutionary Computation*, edited by X. Li, pages 2507–2514, Brisbane, Australia, 10-15 June 2012.
- [329] N. P. Dao, Quang Uy Nguyen, Xuan Hoai Nguyen, and R. I. B. McKay, Evolving Approximations for the Gaussian Q-function by Genetic Programming with Semantic Based Crossover, in *Proceedings of the 2012 IEEE Congress on Evolutionary Computation*, edited by X. Li, pages 2515–2520, Brisbane, Australia, 10-15 June 2012.
- [330] M. F. Tasgetiren, O. Bulut, and M. M. Fadiloglu, A Discrete Harmony Search Algorithm for the Economic Lot Scheduling Problem with Power of Two Policy, in *Proceedings of the 2012 IEEE Congress on Evolutionary Computation*, edited by X. Li, pages 2521–2528, Brisbane, Australia, 10-15 June 2012.
- [331] C. Rotaru and O. Brudaru, Multi-grid Cellular Genetic Algorithm for Optimizing Variable Ordering of ROBDDs, in *Proceedings of the 2012 IEEE Congress on Evolutionary Computation*, edited by X. Li, pages 2529–2536, Brisbane, Australia, 10-15 June 2012.
- [332] S. Chen, C. Xudiera, and J. Montgomery, Simulated Annealing with Thresheld Convergence, in *Proceedings of the 2012 IEEE Congress on Evolutionary Computation*, edited by X. Li, pages 2537–2543, Brisbane, Australia, 10-15 June 2012.
- [333] Z. hui Zhan, J. Zhang, Y. hui Shi, and L. Hai-lin, A Modified Brain Storm Optimization, in *Proceedings of the 2012 IEEE Congress on Evolutionary Computation*, edited by X. Li, pages 2544–2551, Brisbane, Australia, 10-15 June 2012.
- [334] S. Srivastava and Y. Anand, An Intelligent System to Address Occupational Health of Workers Exposed to High Risk Jobs, in *Proceedings of the 2012 IEEE Congress on Evolutionary Computation*, edited by X. Li, pages 2552–2558, Brisbane, Australia, 10-15 June 2012.
- [335] H. Bashir and R. Neville, Convergence Measurement in Evolutionary Computation using Price's Theorem, in *Proceedings of the 2012 IEEE Congress on Evolutionary Computation*, edited by X. Li, pages 2559–2566, Brisbane, Australia, 10-15 June 2012.
- [336] S. Paul, S. Kumar, and L. Singh, Novel Hybrid Compact Genetic Algorithm for Simultaneous Structure and Parameter Learning of Neural Networks, in *Proceedings of the 2012 IEEE Congress on Evolutionary Computation*, edited by X. Li, pages 2567–2572, Brisbane, Australia, 10-15 June 2012.

- [337] O. J. R. Lopez and A. de Antonio, Evolving the way of doing the right thing, in *Proceedings* of the 2012 IEEE Congress on Evolutionary Computation, edited by X. Li, pages 2573–2580, Brisbane, Australia, 10-15 June 2012.
- [338] R. Rabelo, R. Fernandes, and I. Silva, Operational Planning of Hydrothermal Systems Based on a Fuzzy-PSO Approach, in *Proceedings of the 2012 IEEE Congress on Evolutionary Computation*, edited by X. Li, pages 2581–2588, Brisbane, Australia, 10-15 June 2012.
- [339] L. Yang, Adaptive Learning Evaluation Model For Evolutionary Art, in *Proceedings of the* 2012 IEEE Congress on Evolutionary Computation, edited by X. Li, pages 2589–2596, Brisbane, Australia, 10-15 June 2012.
- [340] H. E. Huang, Y.-S. Ong, and X. Chen, Autonomous Flock Brush for Non-Photorealistic Rendering, in *Proceedings of the 2012 IEEE Congress on Evolutionary Computation*, edited by X. Li, pages 2597–2604, Brisbane, Australia, 10-15 June 2012.
- [341] T. Unemi, SBArt4 for an Automatic Evolutionary Art, in *Proceedings of the 2012 IEEE Congress on Evolutionary Computation*, edited by X. Li, pages 2605–2612, Brisbane, Australia, 10-15 June 2012.
- [342] C.-W. Seah, Y.-S. Ong, I. W. Tsang, and S. Jiang, Pareto Rank Learning in Multiobjective Evolutionary Algorithms, in *Proceedings of the 2012 IEEE Congress on Evolutionary Computation*, edited by X. Li, pages 2613–2620, Brisbane, Australia, 10-15 June 2012.
- [343] J. Lepagnot, A. Nakib, H. Oulhadj, and P. Siarry, A Dynamic Multi-Agent Algorithm Applied to Challenging Benchmark Problems, in *Proceedings of the 2012 IEEE Congress on Evolutionary Computation*, edited by X. Li, pages 2621–2628, Brisbane, Australia, 10-15 June 2012.
- [344] S. Hui and P. N. Suganthan, Ensemble Differential Evolution with Dynamic Subpopulations and Adaptive Clearing for solving Dynamic Optimization Problems, in *Proceedings of the 2012 IEEE Congress on Evolutionary Computation*, edited by X. Li, pages 2629–2636, Brisbane, Australia, 10-15 June 2012.
- [345] P. Dahlstedt, Turn-Based Evolution as a Proposed Implementation of Artistic Creative Process, in *Proceedings of the 2012 IEEE Congress on Evolutionary Computation*, edited by X. Li, pages 2637–2643, Brisbane, Australia, 10-15 June 2012.
- [346] C.-H. Liu and C.-K. Ting, Polyphonic Accompaniment Using Genetic Algorithm with Music Theory, in *Proceedings of the 2012 IEEE Congress on Evolutionary Computation*, edited by X. Li, pages 2644–2650, Brisbane, Australia, 10-15 June 2012.
- [347] M. Asafuddoula, T. Ray, R. Sarker, and K. Alam, An Adaptive Constraint Handling Approach Embedded MOEA/D, in *Proceedings of the 2012 IEEE Congress on Evolutionary Computation*, edited by X. Li, pages 2651–2658, Brisbane, Australia, 10-15 June 2012.
- [348] A. Puris, R. Bello, D. Molina, and F. Herrera, Optimising real parameters using the information of a mesh of solutions: VMO algorithm, in *Proceedings of the 2012 IEEE Congress on Evolutionary Computation*, edited by X. Li, pages 2659–2665, Brisbane, Australia, 10-15 June 2012.
- [349] Y. Jiang, P. Tsai, Z. Hao, and L. Cao, A Novel Auto-Parameters Selection Process For Image Segmentation, in *Proceedings of the 2012 IEEE Congress on Evolutionary Computation*, edited by X. Li, pages 2666–2672, Brisbane, Australia, 10-15 June 2012.
- [350] X. Sun, L. Yang, D. Gong, and M. Li, Interactive Genetic Algorithm Assisted with Group Decision Making-based Collective Intelligence, in *Proceedings of the 2012 IEEE Congress on Evolutionary Computation*, edited by X. Li, pages 2673–2680, Brisbane, Australia, 10-15 June 2012.
- [351] X. Zhang, E. Zhang, and R. Li, Optimized Feature Extraction by Immune Clonal Selection Algorithm, in *Proceedings of the 2012 IEEE Congress on Evolutionary Computation*, edited by X. Li, pages 2681–2686, Brisbane, Australia, 10-15 June 2012.

- [352] A. S. G. Meiguins, R. C. Limao, B. S. Meiguins, S. F. Sousa Junior, and A. A. Freitas, AutoClustering An Estimation of Distribution Algorithm for the Automatic Generation of Clustering Algorithms, in *Proceedings of the 2012 IEEE Congress on Evolutionary Computation*, edited by X. Li, pages 2687–2693, Brisbane, Australia, 10-15 June 2012.
- [353] B. Daniels, S. Corns, and E. Cudney, A Comparison of Representations for the Prediction of Ground-Level Ozone Concentration, in *Proceedings of the 2012 IEEE Congress on Evolutionary Computation*, edited by X. Li, pages 2694–2701, Brisbane, Australia, 10-15 June 2012.
- [354] W. Fu, M. Johnston, and M. Zhang, Genetic Programming for Edge Detection via Balancing Individual Training Images, in *Proceedings of the 2012 IEEE Congress on Evolutionary Computation*, edited by X. Li, pages 2702–2709, Brisbane, Australia, 10-15 June 2012.
- [355] F. Abdulhamid, A. Song, K. Neshatian, and M. Zhang, Evolving Genetic Programming Classifiers with Loop Structures, in *Proceedings of the 2012 IEEE Congress on Evolutionary Computation*, edited by X. Li, pages 2710–2717, Brisbane, Australia, 10-15 June 2012.
- [356] I. Sandin, G. Andrade, F. Viegas, D. Madeira, L. Rocha, T. Salles, and M. A. Goncalves, Aggressive and Effective Feature Selection using Genetic Programming, in *Proceedings of the 2012 IEEE Congress on Evolutionary Computation*, edited by X. Li, pages 2718–2725, Brisbane, Australia, 10-15 June 2012.
- [357] M. Helbig and A. Engelbrecht, Analyses of Guide Update Approaches for Vector Evaluated Particle Swarm Optimisation on Dynamic Multi-Objective Optimisation Problems, in *Proceedings of the 2012 IEEE Congress on Evolutionary Computation*, edited by X. Li, pages 2726–2733, Brisbane, Australia, 10-15 June 2012.
- [358] C. Li, S. Yang, and M. Yang, Maintaining Diversity by Clustering in Dynamic Environments, in *Proceedings of the 2012 IEEE Congress on Evolutionary Computation*, edited by X. Li, pages 2734–2741, Brisbane, Australia, 10-15 June 2012.
- [359] J. Duhain and A. Engelbrecht, Towards a More Complete Classification System for Dynamically Changing Environments, in *Proceedings of the 2012 IEEE Congress on Evolutionary Computation*, edited by X. Li, pages 2742–2749, Brisbane, Australia, 10-15 June 2012.
- [360] W.-H. Hsu and T.-C. Chiang, A Multiobjective Evolutionary Algorithm with Enhanced Reproduction Operators for the Vehicle Routing Problem with Time Windows, in *Proceedings of the 2012 IEEE Congress on Evolutionary Computation*, edited by X. Li, pages 2750–2757, Brisbane, Australia. 10-15 June 2012.
- [361] X.-L. Liao and C.-K. Ting, Evolutionary Algorithms Using Adaptive Mutation for the Selective Pickup and Delivery Problem, in *Proceedings of the 2012 IEEE Congress on Evolutionary Computation*, edited by X. Li, pages 2758–2765, Brisbane, Australia, 10-15 June 2012.
- [362] M. Mavrovouniotis and S. Yang, Ant colony optimization with memory-based immigrants for the dynamic vehicle routing problem, in *Proceedings of the 2012 IEEE Congress on Evolutionary Computation*, edited by X. Li, pages 2766–2773, Brisbane, Australia, 10-15 June 2012.
- [363] A. G. Baydin and R. L. de Mantaras, Evolution of Ideas: A Novel Memetic Algorithm Based on Semantic Networks, in *Proceedings of the 2012 IEEE Congress on Evolutionary Computation*, edited by X. Li, pages 2774–2781, Brisbane, Australia, 10-15 June 2012.
- [364] V. Bui, A. Bender, and H. Abbass, An Expressive GL-2 Grammar for Representing Story-like Scenarios, in *Proceedings of the 2012 IEEE Congress on Evolutionary Computation*, edited by X. Li, pages 2782–2789, Brisbane, Australia, 10-15 June 2012.
- [365] J. Montgomery and S. Chen, A Simple Strategy for Maintaining Diversity and Reducing Crowding in Differential Evolution, in *Proceedings of the 2012 IEEE Congress on Evolutionary Computation*, edited by X. Li, pages 2790–2797, Brisbane, Australia, 10-15 June 2012.

- [366] C.-L. Huo, Y.-S. Lien, Y.-H. Yu, and T.-Y. Sun, Effectively Multi-Swarm Sharing Management for Differential Evolution, in *Proceedings of the 2012 IEEE Congress on Evolutionary Computation*, edited by X. Li, pages 2798–2805, Brisbane, Australia, 10-15 June 2012.
- [367] D. Koloseni, J. Lampinen, and P. Luukka, Differential Evolution Classifier with Optimized Distance Measures from a Pool of Distances, in *Proceedings of the 2012 IEEE Congress on Evolutionary Computation*, edited by X. Li, pages 2806–2812, Brisbane, Australia, 10-15 June 2012.
- [368] L. Feng, Y. S. Ong, I. Tsang, and A. H. Tan, An Evolutionary Search Paradigm that Learns with Past Experiences, in *Proceedings of the 2012 IEEE Congress on Evolutionary Computation*, edited by X. Li, pages 2813–2820, Brisbane, Australia, 10-15 June 2012.
- [369] J.-Y. Lin and Y. ping Chen, When and What Kind of Memetic Algorithms Perform Well, in *Proceedings of the 2012 IEEE Congress on Evolutionary Computation*, edited by X. Li, pages 2821–2828, Brisbane, Australia, 10-15 June 2012.
- [370] H. Bashir and R. Neville, A Hybrid Evolutionary Computation Algorithm for Global Optimization, in *Proceedings of the 2012 IEEE Congress on Evolutionary Computation*, edited by X. Li, pages 2829–2836, Brisbane, Australia, 10-15 June 2012.
- [371] L. Zhu, L. Cao, and J. Yang, Multiobjective Evolutionary Algorithm-Based Soft Subspace Clustering, in *Proceedings of the 2012 IEEE Congress on Evolutionary Computation*, edited by X. Li, pages 2837–2844, Brisbane, Australia, 10-15 June 2012.
- [372] A. Vahdat, M. I. Heywood, and A. N. Zincir-Heywood, Symbiotic Evolutionary Subspace Clustering, in *Proceedings of the 2012 IEEE Congress on Evolutionary Computation*, edited by X. Li, pages 2845–2852, Brisbane, Australia, 10-15 June 2012.
- [373] W. Segretier, M. Clergue, M. Collard, and L. Izquierdo, An evolutionary data mining approach on hydrological data with classifier juries, in *Proceedings of the 2012 IEEE Congress on Evolutionary Computation*, edited by X. Li, pages 2853–2860, Brisbane, Australia, 10-15 June 2012.
- [374] S.-Z. Zhao and P. N. Suganthan, Comprehensive Comparison of Convergence Performance of Optimization Algorithms based on Nonparametric Statistical Tests, in *Proceedings of the 2012 IEEE Congress on Evolutionary Computation*, edited by X. Li, pages 2861–2867, Brisbane, Australia, 10-15 June 2012.
- [375] J. Brest, B. Boskovic, A. Zamuda, I. Fister, and M. S. Maucec, Self-Adaptive Differential Evolution Algorithm with a Small and Varying Population Size, in *Proceedings of the 2012 IEEE Congress on Evolutionary Computation*, edited by X. Li, pages 2868–2875, Brisbane, Australia, 10-15 June 2012.
- [376] T. Takahama and S. Sakai, Large Scale Optimization by Differential Evolution with Landscape Modality Detection and a Diversity Archive, in *Proceedings of the 2012 IEEE Congress on Evolutionary Computation*, edited by X. Li, pages 2876–2883, Brisbane, Australia, 10-15 June 2012.
- [377] P. Kumar and M. Pant, Enhanced Mutation Strategy for Differential Evolution, in *Proceedings of the 2012 IEEE Congress on Evolutionary Computation*, edited by X. Li, pages 2884–2889, Brisbane, Australia, 10-15 June 2012.
- [378] M.-L. Chen and F.-S. Wang, Fuzzy optimization for a batch simultaneous saccharification and cofermentation process by hybrid differental evolution, in *Proceedings of the 2012 IEEE Congress on Evolutionary Computation*, edited by X. Li, pages 2890–2897, Brisbane, Australia, 10-15 June 2012.
- [379] J. E. Ramos and R. A. Vazquez, A New Objective Function to build Seismic Networks using Differential Evolution, in *Proceedings of the 2012 IEEE Congress on Evolutionary Computation*, edited by X. Li, pages 2898–2904, Brisbane, Australia, 10-15 June 2012.

- [380] Z. Zhu, W. Liu, Z. Ji, and S. He, Memetic Clustering Based on Particle Swarm Optimizer and K-Means, in *Proceedings of the 2012 IEEE Congress on Evolutionary Computation*, edited by X. Li, pages 2905–2910, Brisbane, Australia, 10-15 June 2012.
- [381] M. N. Le, Y. S. Ong, S. Menzel, C.-W. Seah, and B. Sendhoff, Multi Co-objective Evolutionary Optimization: Cross Surrogate Augmentation for Computationally Expensive Problems, in *Proceedings of the 2012 IEEE Congress on Evolutionary Computation*, edited by X. Li, pages 2911–2918, Brisbane, Australia, 10-15 June 2012.
- [382] J. J. Liang, S. T. Ma, B. Y. Qu, and B. Niu, Strategy Adaptative Memetic Crowding Differential Evolution For Multimodal Optimization, in *Proceedings of the 2012 IEEE Congress on Evolutionary Computation*, edited by X. Li, pages 2919–2925, Brisbane, Australia, 10-15 June 2012.
- [383] E. Hancer, C. Ozturk, and D. Karaboga, Artificial Bee Colony Based Image Clustering, in *Proceedings of the 2012 IEEE Congress on Evolutionary Computation*, edited by X. Li, pages 2926–2930, Brisbane, Australia, 10-15 June 2012.
- [384] B. Akay and I. Kirmizi, Structural Optimization of Wavelet Packets using Swarm Algorithms, in *Proceedings of the 2012 IEEE Congress on Evolutionary Computation*, edited by X. Li, pages 2931–2935, Brisbane, Australia, 10-15 June 2012.
- [385] A. H.-L. Chen, Y.-C. Liang, and C.-C. Liu, An Artificial Bee Colony Algorithm for the Cardinality-Constrained Portfolio Optimization Problems, in *Proceedings of the 2012 IEEE Congress on Evolutionary Computation*, edited by X. Li, pages 2936–2943, Brisbane, Australia, 10-15 June 2012.
- [386] C. Beer, T. Hendtlass, and J. Montgomery, Improving Exploration in Ant Colony Optimisation with Antennation, in *Proceedings of the 2012 IEEE Congress on Evolutionary Computation*, edited by X. Li, pages 2944–2951, Brisbane, Australia, 10-15 June 2012.
- [387] C. R. Conti, M. Roisenberg, and G. S. Neto, 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*, edited by X. Li, pages 2952–2959, Brisbane, Australia, 10-15 June 2012.
- [388] F. E. Zulvia, R. Kuo, and T.-L. Hu, Solving CVRP with Time Window, Fuzzy Travel Time and Demand Via A Hybrid Ant Colony Optimization and Genetic Algorithm, in *Proceedings of the 2012 IEEE Congress on Evolutionary Computation*, edited by X. Li, pages 2960–2967, Brisbane, Australia, 10-15 June 2012.
- [389] Y. Pei and H. Takagi, Fourier Analysis of the Fitness Landscape for Evolutionary Search Acceleration, in *Proceedings of the 2012 IEEE Congress on Evolutionary Computation*, edited by X. Li, pages 2968–2974, Brisbane, Australia, 10-15 June 2012.
- [390] C. K. Chow and S. Y. Yuen, Continuous Non-revisiting Genetic Algorithm with Overlapped Search Sub-Region, in *Proceedings of the 2012 IEEE Congress on Evolutionary Computation*, edited by X. Li, pages 2975–2982, Brisbane, Australia, 10-15 June 2012.
- [391] J. J. Yu, A. Y. Lam, and V. O. Li, Real-Coded Chemical Reaction Optimization with Different Perturbation Functions, in *Proceedings of the 2012 IEEE Congress on Evolutionary Computation*, edited by X. Li, pages 2983–2990, Brisbane, Australia, 10-15 June 2012.
- [392] L. Zhang, R. He, and M. Yan, Heterogeneous double populations based hybrid genetic algorithm design for training feedforward neural networks, in *Proceedings of the 2012 IEEE Congress on Evolutionary Computation*, edited by X. Li, pages 2991–2998, Brisbane, Australia, 10-15 June 2012
- [393] P. H. Pisani and A. C. Lorena, Evolutionary Neural Networks Applied to Keystroke Dynamics: Genetic and Immune Based, in *Proceedings of the 2012 IEEE Congress on Evolutionary Computation*, edited by X. Li, pages 2999–3006, Brisbane, Australia, 10-15 June 2012.

- [394] M. Yuwono, S. W. Su, B. Moulton, and H. Nguyen, Method for increasing the computation speed of an unsupervised learning approach for data clustering, in *Proceedings of the 2012 IEEE Congress on Evolutionary Computation*, edited by X. Li, pages 3007–3014, Brisbane, Australia, 10-15 June 2012.
- [395] I. Fister, I. Fister, Jr., J. Brest, and V. Zumer, Memetic Artificial Bee Colony Algorithm for Large-Scale Global Optimization, in *Proceedings of the 2012 IEEE Congress on Evolutionary Computation*, edited by X. Li, pages 3015–3022, Brisbane, Australia, 10-15 June 2012.
- [396] S. Cheng, Y. Shi, and Q. Qin, Dynamical Exploitation Space Reduction in Particle Swarm Optimization for Solving Large Scale Problems, in *Proceedings of the 2012 IEEE Congress on Evolutionary Computation*, edited by X. Li, pages 3023–3030, Brisbane, Australia, 10-15 June 2012.
- [397] K. Zhang and B. Li, Cooperative Coevolution with Global Search for Large Scale Global Optimization, in *Proceedings of the 2012 IEEE Congress on Evolutionary Computation*, edited by X. Li, pages 3031–3037, Brisbane, Australia, 10-15 June 2012.
- [398] K. Karabulut and M. F. Tasgetiren, A Discrete Artificial Bee Colony Algorithm for the Traveling Salesman Problem with Time Windows, in *Proceedings of the 2012 IEEE Congress on Evolutionary Computation*, edited by X. Li, pages 3038–3044, Brisbane, Australia, 10-15 June 2012.
- [399] T. K. Sharma, M. Pant, and J. C. Bansal, Artificial Bee Colony with Mean Mutation Operator for Better Exploitation, in *Proceedings of the 2012 IEEE Congress on Evolutionary Computation*, edited by X. Li, pages 3045–3051, Brisbane, Australia, 10-15 June 2012.
- [400] M. El-Abd, Generalized Opposition-Based Artificial Bee Colony Algorithm, in *Proceedings of the* 2012 IEEE Congress on Evolutionary Computation, edited by X. Li, pages 3052–3055, Brisbane, Australia, 10-15 June 2012.
- [401] V. M. Esteves, J. M. Sousa, C. A. Silva, A. P. B. Povoa, and M. I. Gomes, SCant-Design: Closed Loop Supply Chain Design using Ant Colony Optimization, in *Proceedings of the 2012 IEEE Congress on Evolutionary Computation*, edited by X. Li, pages 3056–3063, Brisbane, Australia, 10-15 June 2012.
- [402] J. Kou, S. Xiong, Z. Fang, X. Zong, and F. Bian, Positive Point Charge Potential Field based ACO algorithm for Multi-objective Evacuation Routing Optimization Problem, in *Proceedings* of the 2012 IEEE Congress on Evolutionary Computation, edited by X. Li, pages 3064–3071, Brisbane, Australia, 10-15 June 2012.
- [403] W. guan Wang, Y. biao Ling, J. Zhang, and Y. ping Wang, Ant Colony Optimization Algorithm for Analog Filter Design, in *Proceedings of the 2012 IEEE Congress on Evolutionary Computation*, edited by X. Li, pages 3072–3077, Brisbane, Australia, 10-15 June 2012.
- [404] V. Bukhtoyarov and E. Semenkin, Neural Networks Ensemble Approach for Detecting Attacks in Computer Networks, in *Proceedings of the 2012 IEEE Congress on Evolutionary Computation*, edited by X. Li, pages 3078–3083, Brisbane, Australia, 10-15 June 2012.
- [405] A. Y. Lam, V. O. Li, and Z. Wei, Chemical Reaction Optimization for the Fuzzy Rule Learning Problem, in *Proceedings of the 2012 IEEE Congress on Evolutionary Computation*, edited by X. Li, pages 3084–3091, Brisbane, Australia, 10-15 June 2012.
- [406] A. Sergeevich and S. Bartlett, Optimizing qubit Hamiltonian parameter estimation algorithm using PSO, in *Proceedings of the 2012 IEEE Congress on Evolutionary Computation*, edited by X. Li, pages 3092–3094, Brisbane, Australia, 10-15 June 2012.
- [407] W. Liu, Z. Ji, Z. Zhu, and S. He, Survival Analysis of Gene Expression Data Using PSO Based Radial Basis Function Networks, in *Proceedings of the 2012 IEEE Congress on Evolutionary Computation*, edited by X. Li, pages 3095–3099, Brisbane, Australia, 10-15 June 2012.

- [408] P.-C. Hsiao, T.-C. Chiang, and L.-C. Fu, Particle Swarm Optimization for the Minimum Energy Broadcast Problem in Wireless Ad-Hoc Networks, in *Proceedings of the 2012 IEEE Congress on Evolutionary Computation*, edited by X. Li, pages 3100–3107, Brisbane, Australia, 10-15 June 2012.
- [409] K. Ahmed and F. Shaheen, PSO as a Meta-Search for Hyper-GA System to Evolve Optimal Agendas for Sequential Multi-Issue Negotiation, in *Proceedings of the 2012 IEEE Congress on Evolutionary Computation*, edited by X. Li, pages 3108–3115, Brisbane, Australia, 10-15 June 2012.
- [410] F. Jianchao and H. Min, Nonliear Model Predictive Control of Ball-Plate System based on Gaussian Particle Swarm Optimization, in *Proceedings of the 2012 IEEE Congress on Evolutionary Computation*, edited by X. Li, pages 3116–3121, Brisbane, Australia, 10-15 June 2012.
- [411] J. Richter and I. Moser, A Distributed Multiobjective Approach to Negotiations in Semi-Competitive Environments, in *Proceedings of the 2012 IEEE Congress on Evolutionary Computation*, edited by X. Li, pages 3122–3128, Brisbane, Australia, 10-15 June 2012.
- [412] A. Zhou, Q. Zhang, and G. Zhang, A Multiobjective Evolutionary Algorithm based on Decomposition and Probability Model, in *Proceedings of the 2012 IEEE Congress on Evolutionary Computation*, edited by X. Li, pages 3129–3136, Brisbane, Australia, 10-15 June 2012.
- [413] R. Datta and K. Deb, An Adaptive Normalization based Constrained Handling Methodology with Hybrid Bi-Objective and Penalty Function Approach, in *Proceedings of the 2012 IEEE Congress on Evolutionary Computation*, edited by X. Li, pages 3137–3144, Brisbane, Australia, 10-15 June 2012.
- [414] A. Menchaca-Mendez and C. A. Coello Coello, Solving Multi-Objective Optimization Problems using Differential Evolution and a Maximin Selection Criterion, in *Proceedings of the 2012 IEEE Congress on Evolutionary Computation*, edited by X. Li, pages 3145–3152, Brisbane, Australia, 10-15 June 2012.
- [415] X. yan Sun, S. shan Chen, and X. ping Ma, Semi-supervised Ranking SVM-assisted IGA with Hierarchical Evaluations, in *Proceedings of the 2012 IEEE Congress on Evolutionary Computation*, edited by X. Li, pages 3153–3160, Brisbane, Australia, 10-15 June 2012.
- [416] A. Kattan and E. Galvan, Evolving Radial Basis Function Networks via GP for Estimating Fitness Values using Surrogate Models, in *Proceedings of the 2012 IEEE Congress on Evolutionary Computation*, edited by X. Li, pages 3161–3167, Brisbane, Australia, 10-15 June 2012.
- [417] D. Gong, L. Yang, X. Sun, and M. Li, Applying knowledge of users with similar preference to construct surrogate models of IGAs, in *Proceedings of the 2012 IEEE Congress on Evolutionary Computation*, edited by X. Li, pages 3168–3175, Brisbane, Australia, 10-15 June 2012.
- [418] S. Cheng, Y. Shi, and Q. Qin, Particle Swarm Optimization based Semi-Supervised Learning on Chinese Text Categorization, in *Proceedings of the 2012 IEEE Congress on Evolutionary Computation*, edited by X. Li, pages 3176–3183, Brisbane, Australia, 10-15 June 2012.
- [419] H. Alghamdi, L. Tang, and S. Alshomrani, Hybrid ACO and TOFA Feature Selection Approach for Text Classification, in *Proceedings of the 2012 IEEE Congress on Evolutionary Computation*, edited by X. Li, pages 3184–3189, Brisbane, Australia, 10-15 June 2012.
- [420] S. C. Tan, Simplifying and Improving Swarm-based Clustering, in *Proceedings of the 2012 IEEE Congress on Evolutionary Computation*, edited by X. Li, pages 3190–3197, Brisbane, Australia, 10-15 June 2012.

- [421] Y. Wu, J. McCall, D. Corne, and O. Regnier-Coudert, Landscape Analysis for Hyperheuristic Bayesian Network Structure Learning on Unseen Problems, in *Proceedings of the 2012 IEEE Congress on Evolutionary Computation*, edited by X. Li, pages 3198–3205, Brisbane, Australia, 10-15 June 2012.
- [422] R. Santana, A. Mendiburu, and J. A. Lozano, Structural transfer using EDAs: An application to multi-marker tagging SNP selection, in *Proceedings of the 2012 IEEE Congress on Evolutionary Computation*, edited by X. Li, pages 3206–3213, Brisbane, Australia, 10-15 June 2012.
- [423] D. Haynes, S. Corns, and G. Venayagamoorthy, An Exponential Moving Average Algorithm: Evolutionary Algorithms Applied to Sudoku Puzzles, in *Proceedings of the 2012 IEEE Congress on Evolutionary Computation*, edited by X. Li, pages 3214–3221, Brisbane, Australia, 10-15 June 2012.
- [424] M. V. Nguyen, M. Kirley, and R. Garcia-Flores, Community Evolution in A Scientific Collaboration Network, in *Proceedings of the 2012 IEEE Congress on Evolutionary Computation*, edited by X. Li, pages 3222–3229, Brisbane, Australia, 10-15 June 2012.
- [425] P. Shelokar, A. Quirin, and O. Cordon, Automatic Extraction of Common Research Areas in World Scientograms using the Multiobjective Subdue Algorithm, in *Proceedings of the 2012 IEEE Congress on Evolutionary Computation*, edited by X. Li, pages 3230–3237, Brisbane, Australia, 10-15 June 2012.
- [426] Y.-C. Liang and J. R. C. Juarez, Multilevel Image Thresholding Using Relative Entropy and Virus Optimization Algorithm, in *Proceedings of the 2012 IEEE Congress on Evolutionary Computation*, edited by X. Li, pages 3238–3245, Brisbane, Australia, 10-15 June 2012.
- [427] J. Siriwardana and S. Halgamuge, Fast Shortest Path Optimization Inspired by Shuttle Streaming of Physarum Polycephalum, in *Proceedings of the 2012 IEEE Congress on Evolutionary Computation*, edited by X. Li, pages 3246–3253, Brisbane, Australia, 10-15 June 2012.
- [428] H. Cao, F. Recknagel, and P. T. Orr, The Experimental Study of Population-based Parameter Optimization Algorithms on Rule-based Ecological Modelling, in *Proceedings of the 2012 IEEE Congress on Evolutionary Computation*, edited by X. Li, pages 3254–3261, Brisbane, Australia, 10-15 June 2012.
- [429] X. Wei and S. Fujimura, Parallel Quantum Evolutionary Algorithms with Client-Server Model for Multi-Objective Optimization on Discrete Problems, in *Proceedings of the 2012 IEEE Congress* on Evolutionary Computation, edited by X. Li, pages 3262–3269, Brisbane, Australia, 10-15 June 2012.
- [430] S. Pace, A. Cain, and C. Woodward, A Consolidated Model of Particle Swarm Optimisation Variants, in *Proceedings of the 2012 IEEE Congress on Evolutionary Computation*, edited by X. Li, pages 3270–3277, Brisbane, Australia, 10-15 June 2012.
- [431] S. Kelly, P. Lichodzijewski, and M. I. Heywood, On Run Time Libraries and Hierarchical Symbiosis, in *Proceedings of the 2012 IEEE Congress on Evolutionary Computation*, edited by X. Li, pages 3278–3285, Brisbane, Australia, 10-15 June 2012.
- [432] T. Gong and L. Shuai, A Cross-Model Study on the Effect of Power-Laws on Language Evolution, in *Proceedings of the 2012 IEEE Congress on Evolutionary Computation*, edited by X. Li, pages 3286–3293, Brisbane, Australia, 10-15 June 2012.
- [433] T. Santos, R. H. C. Takahashi, and G. J. P. Moreira, A CMA Stochastic Differential Equation Approach for Many-Objective Optimization, in *Proceedings of the 2012 IEEE Congress on Evolutionary Computation*, edited by X. Li, pages 3294–3299, Brisbane, Australia, 10-15 June 2012.
- [434] A. Kafafy, A. Bounekkar, and S. Bonnevay, Hybrid Metaheuristics based on MOEA/D for 0/1 Multiobjective Knapsack Problems: A comparative study, in *Proceedings of the 2012 IEEE Congress on Evolutionary Computation*, edited by X. Li, pages 3300–3307, Brisbane, Australia, 10-15 June 2012.

- [435] Y. Li, J. Chen, R. Liu, and J. Wu, A Spectral Clustering-Based Adaptive Hybrid Multi-Objective Harmony Search Algorithm for Community Detection, in *Proceedings of the 2012 IEEE Congress on Evolutionary Computation*, edited by X. Li, pages 3308–3315, Brisbane, Australia, 10-15 June 2012.
- [436] P.-C. Hsiao, T.-C. Chiang, and L.-C. Fu, A VNS-based Hyper-heuristic with Adaptive Computational Budget of Local Search, in *Proceedings of the 2012 IEEE Congress on Evolutionary Computation*, edited by X. Li, pages 3316–3323, Brisbane, Australia, 10-15 June 2012.
- [437] J. Grobler, A. P. Engelbrecht, G. Kendall, and S. Yadavalli, Investigating the Use of Local Search for Improving Meta-Hyper-Heuristic Performance, in *Proceedings of the 2012 IEEE Congress on Evolutionary Computation*, edited by X. Li, pages 3324–3331, Brisbane, Australia, 10-15 June 2012.
- [438] S. Nguyen, M. Zhang, M. Johnston, and T. K. Chen, A Coevolution Genetic Programming Method to Evolve Scheduling Policies for Dynamic Multi-objective Job Shop Scheduling Problems, in *Proceedings of the 2012 IEEE Congress on Evolutionary Computation*, edited by X. Li, pages 3332–3339, Brisbane, Australia, 10-15 June 2012.
- [439] R. Sano, T. Shindo, K. Jin'no, and T. Saito, PSO-based Multiple Optima Search Systems with Switched Topology, in *Proceedings of the 2012 IEEE Congress on Evolutionary Computation*, edited by X. Li, pages 3340–3346, Brisbane, Australia, 10-15 June 2012.
- [440] M. Gong, Q. Cai, Y. Li, and J. Ma, An Improved Memetic Algorithm for Community Detection in Complex Networks, in *Proceedings of the 2012 IEEE Congress on Evolutionary Computation*, edited by X. Li, pages 3347–3354, Brisbane, Australia, 10-15 June 2012.
- [441] R. Liu, Y. Liu, and Y. Li, An Improved Method for Multi-objective Clustering Ensemble Algorithm, in *Proceedings of the 2012 IEEE Congress on Evolutionary Computation*, edited by X. Li, pages 3355–3362, Brisbane, Australia, 10-15 June 2012.
- [442] R. Maia, L. De Castro, and W. Caminhas, Bee Colonies as Model for Multimodal Continuous Optimization: The OptBees Algorithm, in *Proceedings of the 2012 IEEE Congress on Evolutionary Computation*, edited by X. Li, pages 3363–3370, Brisbane, Australia, 10-15 June 2012.
- [443] P. Caamano, F. Bellas, J. A. Becerra, V. Diaz, and R. J. Duro, Experimental Analysis of the Relevance of Fitness Landscape Topographical Characterization, in *Proceedings of the 2012 IEEE Congress on Evolutionary Computation*, edited by X. Li, pages 3371–3378, Brisbane, Australia, 10-15 June 2012.
- [444] C. Si, L. Wang, and Q. Wu, Mapping Constrained Optimization Problems to Algorithms and Constraint Handling Techniques, in *Proceedings of the 2012 IEEE Congress on Evolutionary Computation*, edited by X. Li, pages 3379–3386, Brisbane, Australia, 10-15 June 2012.
- [445] M. Ali, A. Salhieh, and R. Reynolds, Socio-Cultural Evolution via Neighborhood restructuring in Intricate Multi-Layered Networks, in *Proceedings of the 2012 IEEE Congress on Evolutionary Computation*, edited by X. Li, pages 3387–3394, Brisbane, Australia, 10-15 June 2012.
- [446] R. Reynolds and Y. Gawasmeh, Evolving Heterogeneous Social Fabrics for the Solution of Real-Valued Optimization Problems using Cultural Algorithms, in *Proceedings of the 2012 IEEE Congress on Evolutionary Computation*, edited by X. Li, pages 3395–3402, Brisbane, Australia, 10-15 June 2012.
- [447] D. Ashlock and W. Ashlock, Impact of Regulatory Genes On Optimization Behavior, in *Proceedings of the 2012 IEEE Congress on Evolutionary Computation*, edited by X. Li, pages 3403–3410, Brisbane, Australia, 10-15 June 2012.
- [448] S. Dower, Automatic Implementation of Evolutionary Algorithms on GPUs using ESDL, in *Proceedings of the 2012 IEEE Congress on Evolutionary Computation*, edited by X. Li, pages 3411–3418, Brisbane, Australia, 10-15 June 2012.

- [449] O. Regnier-Coudert and J. McCall, An Island Model Genetic Algorithm for Bayesian Network Structure Learning, in *Proceedings of the 2012 IEEE Congress on Evolutionary Computation*, edited by X. Li, pages 3419–3426, Brisbane, Australia, 10-15 June 2012.
- [450] U. Chakraborty, S. Das, and T. Abbott, Energy-Efficient Routing in Hierarchical Wireless Sensor Networks Using Differential-Evolution-Based Memetic Algorithm, in *Proceedings of the* 2012 IEEE Congress on Evolutionary Computation, edited by X. Li, pages 3427–3434, Brisbane, Australia, 10-15 June 2012.
- [451] D. Huang, J.-X. Xu, X. Deng, V. Venkataramanan, and H. T. C. Tuong, GA Based High-Order Peak Filter Design With Application to Compensation of Contact-Induced Vibration in HDD Servo Systems, in *Proceedings of the 2012 IEEE Congress on Evolutionary Computation*, edited by X. Li, pages 3435–3442, Brisbane, Australia, 10-15 June 2012.
- [452] L. Wang, B. Yang, Y. Chen, and X. Zhao, Predict the Hydration of Portland Cement using Differential Evolution, in *Proceedings of the 2012 IEEE Congress on Evolutionary Computation*, edited by X. Li, pages 3443–3447, Brisbane, Australia, 10-15 June 2012.
- [453] M. Seredynski, G. Danoy, T. Masoud, P. Bouvry, and P. Yoann, Generation of Realistic Mobility for VANETs Using Genetic Algorithms, in *Proceedings of the 2012 IEEE Congress* on *Evolutionary Computation*, edited by X. Li, pages 3448–3455, Brisbane, Australia, 10-15 June 2012.
- [454] K. Murakami, A Genetic Algorithm for Probe Testing Problem on High-density PCB, in *Proceedings of the 2012 IEEE Congress on Evolutionary Computation*, edited by X. Li, pages 3456–3463, Brisbane, Australia, 10-15 June 2012.
- [455] A. Almakhlafi and J. Knowles, Benchmarks for Maintenance Scheduling Problems in Power Generation, in *Proceedings of the 2012 IEEE Congress on Evolutionary Computation*, edited by X. Li, pages 3464–3471, Brisbane, Australia, 10-15 June 2012.
- [456] S. Roy, S. Z. MartInez, C. A. Coello Coello, and S. Sengupta, 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*, edited by X. Li, pages 3472–3479, Brisbane, Australia, 10-15 June 2012.
- [457] S. Z. MartInez and C. A. Coello Coello, A Direct Local Search Mechanism for Decomposition-based Multi-Objective Evolutionary Algorithms, in *Proceedings of the 2012 IEEE Congress on Evolutionary Computation*, edited by X. Li, pages 3480–3487, Brisbane, Australia, 10-15 June 2012.
- [458] N. A. Moubayed, B. A. S. hasan, J. Q. Gan, A. Petrovski, and J. McCall, Continuous Presentation for Multi-Objective Channel Selection in Brain-Computer Interfaces, in *Proceedings of the 2012 IEEE Congress on Evolutionary Computation*, edited by X. Li, pages 3488–3494, Brisbane, Australia, 10-15 June 2012.
- [459] R. Santana, A. Mendiburu, and J. A. Lozano, An analysis of the use of probabilistic modelling for synaptic connectivity prediction from genomic data, in *Proceedings of the 2012 IEEE Congress on Evolutionary Computation*, edited by X. Li, pages 3495–3502, Brisbane, Australia, 10-15 June 2012.
- [460] H. Yamaguchi, T. Hiroyasu, S. Nunokawa, N. Koizumi, N. Okumura, H. Yokouchi, M. Miki, and M. Yoshimi, Comparison Study of Controlling Bloat Model of GP in Constructing Filter for Cell Image Segmentation Problems, in *Proceedings of the 2012 IEEE Congress on Evolutionary Computation*, edited by X. Li, pages 3503–3510, Brisbane, Australia, 10-15 June 2012.
- [461] J. Goh, L. Tang, T. Peto, and G. Saleh, An Evolutionary Approach for Determining Hidden Markov Model for Medical Image Analysis, in *Proceedings of the 2012 IEEE Congress on Evolutionary Computation*, edited by X. Li, pages 3511–3518, Brisbane, Australia, 10-15 June 2012.

- [462] A. Gruenewald, S. Hardt, M. Mielke, and R. Brueck, A decentralized Charge Management for Electric Vehicles using a Genetic Algorithm, in *Proceedings of the 2012 IEEE Congress on Evolutionary Computation*, edited by X. Li, pages 3519–3525, Brisbane, Australia, 10-15 June 2012.
- [463] M. Lima, E. Carrano, and R. Takahashi, Multiobjective Planning of Wireless Local Area Networks (WLAN) Using Genetic Algorithms, in *Proceedings of the 2012 IEEE Congress on Evolutionary Computation*, edited by X. Li, pages 3526–3533, Brisbane, Australia, 10-15 June 2012.
- [464] R. Rabelo, M. Lemos, and D. Barbosa, Power System Harmonics Estimation using Particle Swarm Optimization, in *Proceedings of the 2012 IEEE Congress on Evolutionary Computation*, edited by X. Li, pages 3534–3539, Brisbane, Australia, 10-15 June 2012.
- [465] K. Veeramachaneni, M. Wagner, U.-M. O'Reilly, and F. Neumann, Optimizing Energy Output and Layout Costs for Large Wind Farms using Particle Swarm Optimization, in *Proceedings* of the 2012 IEEE Congress on Evolutionary Computation, edited by X. Li, pages 3540–3546, Brisbane, Australia, 10-15 June 2012.
- [466] W. Herbawi and M. Weber, 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*, edited by X. Li, pages 3547–3554, Brisbane, Australia, 10-15 June 2012.
- [467] Y. Sun, A. Y. Lam, V. O. Li, J. Xu, and J. J. Yu, Chemical Reaction Optimization for the Optimal Power Flow Problem, in *Proceedings of the 2012 IEEE Congress on Evolutionary Computation*, edited by X. Li, pages 3555–3562, Brisbane, Australia, 10-15 June 2012.
- [468] H. Handa, Use of Graph Kernels in Estimation of Distribution Algorithms, in *Proceedings of the* 2012 IEEE Congress on Evolutionary Computation, edited by X. Li, pages 3563–3568, Brisbane, Australia, 10-15 June 2012.
- [469] K. Smith-Miles and T. Tan, Measuring Algorithm Footprints in Instance Space, in *Proceedings of the 2012 IEEE Congress on Evolutionary Computation*, edited by X. Li, pages 3569–3576, Brisbane, Australia, 10-15 June 2012.
- [470] T. K. Sharma, M. Pant, and J. C. Bansal, Some Modifications to Enhance the Performance of Artificial Bee Colony, in *Proceedings of the 2012 IEEE Congress on Evolutionary Computation*, edited by X. Li, pages 3577–3584, Brisbane, Australia, 10-15 June 2012.
- [471] M. Kampouridis, T. Glover, A. R. Shaghaghi, and E. Tsang, Using a Genetic Algorithm as a Decision Support Tool for the Deployment of Fiber Optic Networks, in *Proceedings of the 2012 IEEE Congress on Evolutionary Computation*, edited by X. Li, pages 3585–3592, Brisbane, Australia, 10-15 June 2012.
- [472] A. Pirisi, F. Grimaccia, M. Mussetta, and R. E. Zich, An Evolutionary Optimized Device for Energy Harvesting from Traffic, in *Proceedings of the 2012 IEEE Congress on Evolutionary Computation*, edited by X. Li, pages 3593–3598, Brisbane, Australia, 10-15 June 2012.
- [473] R. Britto, P. S. Neto, R. Rabelo, W. Ayala, and T. Soares, A Hybrid Approach to Solve the Agile Team Allocation Problem, in *Proceedings of the 2012 IEEE Congress on Evolutionary Computation*, edited by X. Li, pages 3599–3606, Brisbane, Australia, 10-15 June 2012.
- [474] J. Tang, S. Alam, C. Lokan, and H. Abbass, A Multi-objective Evolutionary Method for Dynamic Airspace Re-sectorization using Sectors Clipping and Similarities, in *Proceedings of the 2012 IEEE Congress on Evolutionary Computation*, edited by X. Li, pages 3607–3614, Brisbane, Australia, 10-15 June 2012.
- [475] O. Ulker and D. Landa-Silva, Evolutionary Local Search for Solving the Office Space Allocation Problem, in *Proceedings of the 2012 IEEE Congress on Evolutionary Computation*, edited by X. Li, pages 3615–3622, Brisbane, Australia, 10-15 June 2012.

- [476] Y. Toda, T. Narita, and N. Kubota, Information Visualization based on 3D Modeling for Human-friendly Teleoperation, in *Proceedings of the 2012 IEEE Congress on Evolutionary Computation*, edited by X. Li, pages 3623–3629, Brisbane, Australia, 10-15 June 2012.
- [477] J. Shelton, G. Dozier, J. Adams, and A. Alford, Permutation-Based Biometric Authentication Protocols for Mitigating Replay Attacks, in *Proceedings of the 2012 IEEE Congress on Evolutionary Computation*, edited by X. Li, pages 3630–3634, Brisbane, Australia, 10-15 June 2012.
- [478] S. Wink, T. Baeck, and M. Emmerich, A Meta-Genetic Algorithm for Solving the Capacitated Vehicle Routing Problem, in *Proceedings of the 2012 IEEE Congress on Evolutionary Computation*, edited by X. Li, pages 3635–3642, Brisbane, Australia, 10-15 June 2012.
- [479] S. Tasoulis, M. Epitropakis, V. Plagianakos, and D. Tasoulis, Density Based Projection Pursuit Clustering, in *Proceedings of the 2012 IEEE Congress on Evolutionary Computation*, edited by X. Li, pages 3643–3650, Brisbane, Australia, 10-15 June 2012.
- [480] L. Wang, W. Xu, S. Mabu, and K. Hirasawa, Rule Accumulation Method Based on Credit Genetic Network Programming, in *Proceedings of the 2012 IEEE Congress on Evolutionary Computation*, edited by X. Li, pages 3651–3658, Brisbane, Australia, 10-15 June 2012.
- [481] P. Kromer, V. Snasel, J. Platos, M. Kudelka, and Z. Horak, An ACO Inspired Weighting Approach for the Spectral Partitioning of Co-authorship Networks, in *Proceedings of the 2012 IEEE Congress on Evolutionary Computation*, edited by X. Li, pages 3659–3665, Brisbane, Australia, 10-15 June 2012.