

## Список литературы

- [1] Takenouchi Hiroshi, Tokumaru Masataka, Muranaka Noriaki. Performance Evaluation of Interactive Evolutionary Computation with Tournament-Style Evaluation in *Proceedings of the 2012 IEEE Congress on Evolutionary Computation* (Li Xiaodong. , ed.)(Brisbane, Australia):1–8 2012.
- [2] Gunnensen Sverre, Smith-Miles Kate, Lee Vincent. Towards Objective Data Selection in Bankruptcy Prediction in *Proceedings of the 2012 IEEE Congress on Evolutionary Computation* (Li Xiaodong. , ed.)(Brisbane, Australia):9–16 2012.
- [3] Li Zhihui, Shang Zhigang, Liang J. J., Niu Ben. An Improved Differential Evolution for Constrained Optimization with Dynamic Constraint-Handling Mechanism in *Proceedings of the 2012 IEEE Congress on Evolutionary Computation* (Li Xiaodong. , ed.)(Brisbane, Australia):17–22 2012.
- [4] Vitorino Lumadaiaira, Ribeiro Sergio, Bastos-Filho Carmelo. A Hybrid Swarm Intelligence Optimizer based on Particles and Artificial Bees for High-Dimensional Search Spaces in *Proceedings of the 2012 IEEE Congress on Evolutionary Computation* (Li Xiaodong. , ed.)(Brisbane, Australia):23–28 2012.
- [5] Jin Qin, Liang Zhenjun. A Naive Particle Swarm Optimization in *Proceedings of the 2012 IEEE Congress on Evolutionary Computation* (Li Xiaodong. , ed.)(Brisbane, Australia):29–36 2012.
- [6] de Armas Jesica, Gonzalez Yanira, Miranda Gara, Leon Coromoto. Parallelization of the Multi-Objective Container Loading Problem in *Proceedings of the 2012 IEEE Congress on Evolutionary Computation* (Li Xiaodong. , ed.)(Brisbane, Australia):37–44 2012.
- [7] Lee Lae-Kyoung, An Su-Yong, Oh Se-Young. Robust Fingertip Extraction with Improved Skin Color Segmentation for Finger Gesture Recognition in Human-Robot Interaction in *Proceedings of the 2012 IEEE Congress on Evolutionary Computation* (Li Xiaodong. , ed.)(Brisbane, Australia):45–51 2012.
- [8] Mussetta Marco, Shadmehr Houriyeh, Grimaccia Francesco, Gandelli Alessandro, Zich Riccardo. Optimization of a Radio Frequency Energy Harvesting Device in *Proceedings of the 2012 IEEE Congress on Evolutionary Computation* (Li Xiaodong. , ed.)(Brisbane, Australia):52–56 2012.
- [9] Shang Zhigang, Zhihui Li, Liang J. J., Niu Ben. Control Parameters Self-Adaptation in Differential in *Proceedings of the 2012 IEEE Congress on Evolutionary Computation* (Li Xiaodong. , ed.)(Brisbane, Australia):65–70 2012.
- [10] Fonseca Leonardo, Barbosa Helio, Lemonge Afonso. A study on fitness inheritance for enhanced efficiency in real-coded genetic algorithms in *Proceedings of the 2012 IEEE Congress on Evolutionary Computation* (Li Xiaodong. , ed.)(Brisbane, Australia):71–78 2012.
- [11] McCarthy Paul. Path-sharing: A new betweenness measure for community identification in networks in *Proceedings of the 2012 IEEE Congress on Evolutionary Computation* (Li Xiaodong. , ed.)(Brisbane, Australia):79–84 2012.
- [12] Oliveira Luiz Otavio, Mota Rodrigo Luiz, Barone Dante Augusto. Clonal Selection Classifier with Data Reduction: Classification as an Optimization Task in *Proceedings of the 2012 IEEE Congress on Evolutionary Computation* (Li Xiaodong. , ed.)(Brisbane, Australia):85–91 2012.
- [13] Ortuno Francisco, Florido Javier P., Urquiza Jose M., Pomares Hector, Prieto Alberto, Rojas Ignacio. Optimization of Multiple Sequence Alignment Methodologies using a Multiobjective Evolutionary Algorithm based on NSGA-II in *Proceedings of the 2012 IEEE Congress on Evolutionary Computation* (Li Xiaodong. , ed.)(Brisbane, Australia):92–99 2012.
- [14] Ch'ng Siong Huat, Teo Jason. Online Evolution of Offensive Strategies in Real-Time Strategy Gaming in *Proceedings of the 2012 IEEE Congress on Evolutionary Computation* (Li Xiaodong. , ed.)(Brisbane, Australia):100–107 2012.

- [15] Witten Matthew, Clancey Owen. An Evolutionary Algorithm for Optimization of Affine Transformation Parameters for Dose Matrix Warping in Patient-Specific Quality Assurance of Radiotherapy Dose Distributions in *Proceedings of the 2012 IEEE Congress on Evolutionary Computation* (Li Xiaodong. , ed.)(Brisbane, Australia):108–111 2012.
- [16] Alsheddy Abdullah, Kampouridis Michael. Off-line Parameter Tuning for Guided Local Search Using Genetic Programming in *Proceedings of the 2012 IEEE Congress on Evolutionary Computation* (Li Xiaodong. , ed.)(Brisbane, Australia):112–116 2012.
- [17] Nitschke Geoff. Behavioral Heterogeneity, Cooperation, and Collective Construction in *Proceedings of the 2012 IEEE Congress on Evolutionary Computation* (Li Xiaodong. , ed.)(Brisbane, Australia):117–124 2012.
- [18] Nikumbh Sarvesh, Ghosh Shameek, Jayaraman Valadi. Biogeography-Based Informative Gene Selection and Cancer Classification Using SVM and Random Forests in *Proceedings of the 2012 IEEE Congress on Evolutionary Computation* (Li Xiaodong. , ed.)(Brisbane, Australia):131–136 2012.
- [19] Herbawi Wesam, Weber Michael. A Genetic Local Search Algorithm for Multiobjective Time-dependent Route Planning in *Proceedings of the 2012 IEEE Congress on Evolutionary Computation* (Li Xiaodong. , ed.)(Brisbane, Australia):137–143 2012.
- [20] Logenthiran Thillainathan, Dipti Srinivasan, Ashwin M. Khambadkone, Raj Thangavelu Sundar. Optimal Sizing of Distributed Energy Resources for Integrated Microgrids using Evolutionary Strategy in *Proceedings of the 2012 IEEE Congress on Evolutionary Computation* (Li Xiaodong. , ed.)(Brisbane, Australia):144–151 2012.
- [21] Zao John K., Hornansky Martin, Diao Pei-Lun. Design of Optimal Short-Length LT Codes Using Evolution Strategies in *Proceedings of the 2012 IEEE Congress on Evolutionary Computation* (Li Xiaodong. , ed.)(Brisbane, Australia):152–160 2012.
- [22] Atyabi Adham, Luerssen Martin, Fitzgibbon Sean P., Powers David M. W.. Evolutionary feature selection and electrode reduction for EEG classification in *Proceedings of the 2012 IEEE Congress on Evolutionary Computation* (Li Xiaodong. , ed.)(Brisbane, Australia):161–168 2012.
- [23] El-Abd Mohammed, Kamel Mohamed. Particle Swarm Optimization with Adaptive Bounds in *Proceedings of the 2012 IEEE Congress on Evolutionary Computation* (Li Xiaodong. , ed.)(Brisbane, Australia):169–174 2012.
- [24] Park In-Won, Lee Ki-Baek, Kim Jong-Hwan. Multi-objective Evolutionary Algorithm-based Optimal Posture Control of Humanoid Robots in *Proceedings of the 2012 IEEE Congress on Evolutionary Computation* (Li Xiaodong. , ed.)(Brisbane, Australia):175–181 2012.
- [25] Higgs Trent, Stantic Bela, Hoque Tamjidul, Sattar Abdul. Refining Genetic Algorithm Twin Removal for High-Resolution Protein Structure Prediction in *Proceedings of the 2012 IEEE Congress on Evolutionary Computation* (Li Xiaodong. , ed.)(Brisbane, Australia):182–189 2012.
- [26] Wei Jingxuan, Wang Yuping. Hyper Rectangle Search Based Particle Swarm Algorithm for Dynamic Constrained Multi-Objective Optimization Problems in *Proceedings of the 2012 IEEE Congress on Evolutionary Computation* (Li Xiaodong. , ed.)(Brisbane, Australia):190–197 2012.
- [27] Maali Yashar, Al-Jumaily Adel. A Novel Partially Connected Cooperative Parallel PSO-SVM Algorithm: Study Based on Sleep Apnea Detection in *Proceedings of the 2012 IEEE Congress on Evolutionary Computation* (Li Xiaodong. , ed.)(Brisbane, Australia):198–205 2012.
- [28] Chaari Imen, Koubaa Anis, Bennaceur Hachemi, Trigui Sahar, Al-Shalfan Khaled. smartPATH: A Hybrid ACO-GA Algorithm for Robot Path Planning in *Proceedings of the 2012 IEEE Congress on Evolutionary Computation* (Li Xiaodong. , ed.)(Brisbane, Australia):206–213 2012.
- [29] Alam Sameer, Lokan Chris, Abbass Hussein. What Can Make an Airspace Unsafe? Characterizing Collision Risk using Multi-Objective Optimization in *Proceedings of the 2012 IEEE Congress on Evolutionary Computation* (Li Xiaodong. , ed.)(Brisbane, Australia):214–221 2012.

- [30] Sinha Suruchi, Bhola Abhishek, Panchal V.K., Singhal Siddhant, Abraham Ajith. Resolving Mixed Pixel Using Hybridization Of Ant Colony Optimization And Biogeography Based Optimization in *Proceedings of the 2012 IEEE Congress on Evolutionary Computation* (Li Xiaodong. , ed.)(Brisbane, Australia):222–227 2012.
- [31] Jaros Jiri. Multi-GPU Island-Based Genetic Algorithm for Solving the Knapsack Problem in *Proceedings of the 2012 IEEE Congress on Evolutionary Computation* (Li Xiaodong. , ed.)(Brisbane, Australia):236–243 2012.
- [32] Liu Hai-Lin, Chen Wen-Qin, Gu Fangqing. A Novel Multi-objective Differential Evolutionary Algorithm Based Sub-region Search in *Proceedings of the 2012 IEEE Congress on Evolutionary Computation* (Li Xiaodong. , ed.)(Brisbane, Australia):244–249 2012.
- [33] Ruuska Sauli, Miettinen Kaisa. Constructing Evolutionary Algorithms for Bilevel Multiobjective Optimization in *Proceedings of the 2012 IEEE Congress on Evolutionary Computation* (Li Xiaodong. , ed.)(Brisbane, Australia):250–256 2012.
- [34] Filipic Bogdan, Lorencin Ivan. Evolutionary Multiobjective Design of an Alternative Energy Supply System in *Proceedings of the 2012 IEEE Congress on Evolutionary Computation* (Li Xiaodong. , ed.)(Brisbane, Australia):257–262 2012.
- [35] Ashlock Daniel, McNicholas Sharron. Single Parent Generalization of Cellular Automata Rules in *Proceedings of the 2012 IEEE Congress on Evolutionary Computation* (Li Xiaodong. , ed.)(Brisbane, Australia):263–270 2012.
- [36] Trivedi Anupam, Sharma Deepak, Srinivasan Dipti. Multi-objectivization of Short-Term Unit Commitment under Uncertainty using Evolutionary Algorithm in *Proceedings of the 2012 IEEE Congress on Evolutionary Computation* (Li Xiaodong. , ed.)(Brisbane, Australia):271–278 2012.
- [37] Gagne Caroline, Zinflou Arnaud. An hybrid algorithm for the industrial car sequecing problem in *Proceedings of the 2012 IEEE Congress on Evolutionary Computation* (Li Xiaodong. , ed.)(Brisbane, Australia):279–286 2012.
- [38] Sawai Hidefumi. Reorganizing A New Generation Airline Network Based on An Ant-Colony Optimization-Inspired Small-World Network in *Proceedings of the 2012 IEEE Congress on Evolutionary Computation* (Li Xiaodong. , ed.)(Brisbane, Australia):287–294 2012.
- [39] Silveira Luciano, Tanscheit Ricardo, Vellasco Marley. Quantum-Inspired Genetic Algorithms applied to Ordering Combinatorial Optimization Problems in *Proceedings of the 2012 IEEE Congress on Evolutionary Computation* (Li Xiaodong. , ed.)(Brisbane, Australia):295–301 2012.
- [40] Chen Jui-Le, Tsai Chun-Wei, Yang Chu-Sing. An Improved LGA for Protein-Ligand Docking Prediction in *Proceedings of the 2012 IEEE Congress on Evolutionary Computation* (Li Xiaodong. , ed.)(Brisbane, Australia):302–307 2012.
- [41] Zhang Kaibo, Li Bin, Tan Lixiang. Empirical study of the effect of variable correlation on grouping in Cooperative Coevolutionary Evolutionary Algorithms in *Proceedings of the 2012 IEEE Congress on Evolutionary Computation* (Li Xiaodong. , ed.)(Brisbane, Australia):308–314 2012.
- [42] Rahman Mohammad Osiur, Hussain Aini, Scavino Edgar, Hannan M. A., Basri Hassan. Object Identification Using DNA Computing Algorithm in *Proceedings of the 2012 IEEE Congress on Evolutionary Computation* (Li Xiaodong. , ed.)(Brisbane, Australia):315–321 2012.
- [43] Kovarik Oleg, Kordik Pavel. Max-Min Ant System with Linear Memory Complexity in *Proceedings of the 2012 IEEE Congress on Evolutionary Computation* (Li Xiaodong. , ed.)(Brisbane, Australia):322–326 2012.
- [44] Mallipeddi Rammohan, Lee Minho. Ensemble Based Face Recognition using Discriminant PCA Features in *Proceedings of the 2012 IEEE Congress on Evolutionary Computation* (Li Xiaodong. , ed.)(Brisbane, Australia):327–333 2012.

- [45] Neumann Geoffrey, Cairns David. Targeted EDA Adapted for a Routing Problem with Variable Length Chromosomes in *Proceedings of the 2012 IEEE Congress on Evolutionary Computation* (Li Xiaodong. , ed.)(Brisbane, Australia):334–341 2012.
- [46] Deb Kalyanmoy, Jain Himanshu. Handling Many-Objective Problems Using an Improved NSGA-II Procedure in *Proceedings of the 2012 IEEE Congress on Evolutionary Computation* (Li Xiaodong. , ed.)(Brisbane, Australia):342–349 2012.
- [47] Sharifi Ali, Noroozi Vahid, Bashiri Masoud, Hashemi Ali B., Meybodi Mohammad Reza. Two Phased Cellular PSO: A New Collaborative Cellular Algorithm for Optimization in Dynamic Environments in *Proceedings of the 2012 IEEE Congress on Evolutionary Computation* (Li Xiaodong. , ed.)(Brisbane, Australia):350–357 2012.
- [48] Takahiro Tsujimoto, Takuya Shindo, Takayuki Kimuta, Kenya Jin'no. A Relationship between Network Topology and Search Performance of PSO in *Proceedings of the 2012 IEEE Congress on Evolutionary Computation* (Li Xiaodong. , ed.)(Brisbane, Australia):358–363 2012.
- [49] Selvan Krishna Veni, Muhammad Mohd Saufee, Masra Sharifah Masniah Wan. Ensembles of DNA Letters for the Design of Unique DNA Library Using a Modified Version of Multi-criteria VEDEPSO Optimizer in *Proceedings of the 2012 IEEE Congress on Evolutionary Computation* (Li Xiaodong. , ed.)(Brisbane, Australia):364–371 2012.
- [50] Avasarala Viswanath, Bonissone Piero. iPresage: An innovative Patent Landscaping tool in *Proceedings of the 2012 IEEE Congress on Evolutionary Computation* (Li Xiaodong. , ed.)(Brisbane, Australia):372–378 2012.
- [51] Qiu Jun-Wei, Zao John K., Chou Yu-Hsiang. A Geometrically Faithful Memetic Algorithm for Searching Sparse Representations of EEG Signals in *Proceedings of the 2012 IEEE Congress on Evolutionary Computation* (Li Xiaodong. , ed.)(Brisbane, Australia):379–385 2012.
- [52] Lacroix Benjamin, Molina Daniel, Herrera Francisco. Region based memetic algorithm with LS chaining in *Proceedings of the 2012 IEEE Congress on Evolutionary Computation* (Li Xiaodong. , ed.)(Brisbane, Australia):386–391 2012.
- [53] Fang Xing, Kocejka Nicholas, Zhan Justin, Dozier Gerry, Dipankar Dasgupta. An Artificial Immune System for Phishing Detection in *Proceedings of the 2012 IEEE Congress on Evolutionary Computation* (Li Xiaodong. , ed.)(Brisbane, Australia):392–398 2012.
- [54] Watanabe Daiki, Ito Kazuyuki. Roles of real-world properties in the Baldwin effect in *Proceedings of the 2012 IEEE Congress on Evolutionary Computation* (Li Xiaodong. , ed.)(Brisbane, Australia):399–406 2012.
- [55] Ngoko Yanik, Goldman Alfredo, Trystram Denis. Malleable resource sharing algorithms for cooperative resolution of problems in *Proceedings of the 2012 IEEE Congress on Evolutionary Computation* (Li Xiaodong. , ed.)(Brisbane, Australia):407–414 2012.
- [56] Tang Maolin. Evolutionary Placement of Continuously Operating Reference Stations of Network Real-Time Kinematic in *Proceedings of the 2012 IEEE Congress on Evolutionary Computation* (Li Xiaodong. , ed.)(Brisbane, Australia):415–422 2012.
- [57] Picek Stjepan, Golub Marin, Jakobovic Domagoj. Influence of the Crossover Operator in the Performance of the Hybrid Taguchi GA in *Proceedings of the 2012 IEEE Congress on Evolutionary Computation* (Li Xiaodong. , ed.)(Brisbane, Australia):423–430 2012.
- [58] Jati Arindam, Singh Garima, Rakshit Pratyusha, Konar Amit, Kim Eunjin, Nagar Atulya K.. A Hybridisation of Improved Harmony Search and Bacterial Foraging for Multi-robot Motion Planning in *Proceedings of the 2012 IEEE Congress on Evolutionary Computation* (Li Xiaodong. , ed.)(Brisbane, Australia):431–438 2012.
- [59] He Zhenan, Yen Gary. A New Fitness Evaluation Method Based on Fuzzy Logic in Multiobjective Evolutionary Algorithms in *Proceedings of the 2012 IEEE Congress on Evolutionary Computation* (Li Xiaodong. , ed.)(Brisbane, Australia):439–446 2012.

- [60] Korosec Peter, Silc Jurij. The Continuous Differential Ant-Stigmergy Algorithm Applied to Dynamic Optimization Problems in *Proceedings of the 2012 IEEE Congress on Evolutionary Computation* (Li Xiaodong. , ed.)(Brisbane, Australia):447–454 2012.
- [61] Louzada Jailton, Camilo-Junior Celso, Vincenzi Auri, Rodrigues Cassio. An Elitist Evolutionary Algorithm for Automatically Generating Test Data in *Proceedings of the 2012 IEEE Congress on Evolutionary Computation* (Li Xiaodong. , ed.)(Brisbane, Australia):455–462 2012.
- [62] Taroco Cristiane, Carrano Eduardo, Neto Oriane, Takahashi Ricardo. A Faster Genetic Algorithm for Substation Location and Network Design of Power Distribution Systems in *Proceedings of the 2012 IEEE Congress on Evolutionary Computation* (Li Xiaodong. , ed.)(Brisbane, Australia):463–468 2012.
- [63] Dridi Olfa, Krichen Saoussen, Guitouni Adel. A Multi-Objective Optimization Approach for Resource Assignment and Task Scheduling Problem: Application to Maritime Domain Awareness in *Proceedings of the 2012 IEEE Congress on Evolutionary Computation* (Li Xiaodong. , ed.)(Brisbane, Australia):469–476 2012.
- [64] Alvares Marcos, Buarque Fernando, Marwala Tshilidzi. Optimizing Risk Management Using NSGA-II in *Proceedings of the 2012 IEEE Congress on Evolutionary Computation* (Li Xiaodong. , ed.)(Brisbane, Australia):477–484 2012.
- [65] Li Bing, Li Xianneng, Mabu Shingo, Hirasawa Kotaro. Towards Automatic Discovery and Reuse of Subroutines in Variable Size Genetic Network Programming in *Proceedings of the 2012 IEEE Congress on Evolutionary Computation* (Li Xiaodong. , ed.)(Brisbane, Australia):485–492 2012.
- [66] Xu Jiaqing, Lv Qi, Zhou Jie, Dou Yong. A Self-Organizing and Self-Adaptive French Flag Organism Based on Lateral Activation Model in *Proceedings of the 2012 IEEE Congress on Evolutionary Computation* (Li Xiaodong. , ed.)(Brisbane, Australia):493–500 2012.
- [67] Shi Qiao, Yin Wei, Song Andy. Analysis of Motion Detectors Evolved by Genetic Programming in *Proceedings of the 2012 IEEE Congress on Evolutionary Computation* (Li Xiaodong. , ed.)(Brisbane, Australia):501–508 2012.
- [68] Hunt Rachel, Neshatian Kourosh, Zhang Mengjie. Scalability Analysis of Genetic Programming Classifiers in *Proceedings of the 2012 IEEE Congress on Evolutionary Computation* (Li Xiaodong. , ed.)(Brisbane, Australia):509–516 2012.
- [69] Lehmann Henry, Menzel Stefan. Evolvability as Concept for the Optimal Design of Free-Form Deformation Control Volumes in *Proceedings of the 2012 IEEE Congress on Evolutionary Computation* (Li Xiaodong. , ed.)(Brisbane, Australia):517–524 2012.
- [70] Takano Mio, Osana Yuko. Automatic Composition System using Genetic Algorithm and N-gram Model considering Melody Blocks in *Proceedings of the 2012 IEEE Congress on Evolutionary Computation* (Li Xiaodong. , ed.)(Brisbane, Australia):525–532 2012.
- [71] Meng Yan, Hongliang Guo. A Gene Regulatory Network based Framework for Self-Organization in Mobile Sensor Networks in *Proceedings of the 2012 IEEE Congress on Evolutionary Computation* (Li Xiaodong. , ed.)(Brisbane, Australia):533–539 2012.
- [72] Chen Stephen. Particle Swarm Optimization with pbest Crossover in *Proceedings of the 2012 IEEE Congress on Evolutionary Computation* (Li Xiaodong. , ed.)(Brisbane, Australia):540–545 2012.
- [73] Saha Amit, Ray Tapabrata. A Repair Mechanism for Active Inequality Constraint Handling in *Proceedings of the 2012 IEEE Congress on Evolutionary Computation* (Li Xiaodong. , ed.)(Brisbane, Australia):546–553 2012.
- [74] Zhang Hao, Zhu Yunlong, Yan Xiaohui. Multi-Hive Artificial Bee Colony Algorithm for Constrained Multi-Objective Optimization in *Proceedings of the 2012 IEEE Congress on Evolutionary Computation* (Li Xiaodong. , ed.)(Brisbane, Australia):554–561 2012.

- [75] Cheng Shi, Shi Yuhui, Qin Quande. Population Diversity Based Study on Search Information Propagation in Particle Swarm Optimization in *Proceedings of the 2012 IEEE Congress on Evolutionary Computation* (Li Xiaodong. , ed.)(Brisbane, Australia):562–569 2012.
- [76] Guo Yu, Chen Wei, Zhang Jun. Enhancing the Performance of Evolutionary Algorithms—A Novel Maturity-Based Adaptation Strategy in *Proceedings of the 2012 IEEE Congress on Evolutionary Computation* (Li Xiaodong. , ed.)(Brisbane, Australia):570–577 2012.
- [77] Kroetz Marcel, Centeno Tania, Delgado Myriam, et al. Genetic Algorithms to Automatic Weld Bead Detection in Double Wall Double Image Digital Radiographs in *Proceedings of the 2012 IEEE Congress on Evolutionary Computation* (Li Xiaodong. , ed.)(Brisbane, Australia):578–584 2012.
- [78] Shao Zhifei, Er Meng Joo. A Review of Inverse Reinforcement Learning Theory and Recent Advances in *Proceedings of the 2012 IEEE Congress on Evolutionary Computation* (Li Xiaodong. , ed.)(Brisbane, Australia):585–592 2012.
- [79] Takahama Tetsuyuki, Sakai Setsuko. Differential Evolution with Dynamic Strategy and Parameter Selection by Detecting Landscape Modality in *Proceedings of the 2012 IEEE Congress on Evolutionary Computation* (Li Xiaodong. , ed.)(Brisbane, Australia):593–600 2012.
- [80] Xu Jin, Lam Albert Y.S., Li Victor O.K., Li Qiwei, Fan Xiaodan. Short Adjacent Repeat Identification Based on Chemical Reaction Optimization in *Proceedings of the 2012 IEEE Congress on Evolutionary Computation* (Li Xiaodong. , ed.)(Brisbane, Australia):601–608 2012.
- [81] Vathsavayi Sriharsha, Raiha Outi, Koskimies Kai. Using Quality Farms in Multi-Objective Genetic Software Architecture Synthesis in *Proceedings of the 2012 IEEE Congress on Evolutionary Computation* (Li Xiaodong. , ed.)(Brisbane, Australia):609–616 2012.
- [82] Ter-Sarkisov Aram. Elitism Levels Traverse Mechanism For The Derivation of Upper Bounds on Unimodal Functions in *Proceedings of the 2012 IEEE Congress on Evolutionary Computation* (Li Xiaodong. , ed.)(Brisbane, Australia):617–624 2012.
- [83] Merelo Guervos Juan-J, Mora Antonio M., Cruz Almaguer J. Albert, Esparcia-Alcazar Anna I., Cotta Carlos. Scaling in distributed evolutionary algorithms with persistent population in *Proceedings of the 2012 IEEE Congress on Evolutionary Computation* (Li Xiaodong. , ed.)(Brisbane, Australia):625–632 2012.
- [84] Saraiva Rommel, Pinheiro Placido. A novel application of crossover operator to a hybrid optimization framework: investigation into cutting problems in *Proceedings of the 2012 IEEE Congress on Evolutionary Computation* (Li Xiaodong. , ed.)(Brisbane, Australia):633–639 2012.
- [85] Wan Shuzhen, Xiong Shengwu, Liu Yi. Prediction based Multi-strategy Differential Evolution Algorithm for Dynamic Environments in *Proceedings of the 2012 IEEE Congress on Evolutionary Computation* (Li Xiaodong. , ed.)(Brisbane, Australia):640–647 2012.
- [86] Conesa-Munoz Jesus, Ribeiro Angela, Andujar Dionisio, Fernandez-Quintanilla Cesar, Dorado Jose. Multi-Path Planning Based on a NSGA-II for a Fleet of Robots to Work on Agricultural Tasks in *Proceedings of the 2012 IEEE Congress on Evolutionary Computation* (Li Xiaodong. , ed.)(Brisbane, Australia):648–655 2012.
- [87] Shen Tsu-Wang, Laio Ting-Fong, Chen Shao-Tsu. Hormone Concentration Inception: Development an Artificial Immune System with Immunomodulator (AISi) Intervention in *Proceedings of the 2012 IEEE Congress on Evolutionary Computation* (Li Xiaodong. , ed.)(Brisbane, Australia):656–661 2012.
- [88] Wu Yi-Ling, Ho Tsu-Feng, Shyu Shyong Jian, Lin Bertrand M. T.. Discrete particle swarm optimization for materials acquisition in multi-unit libraries in *Proceedings of the 2012 IEEE Congress on Evolutionary Computation* (Li Xiaodong. , ed.)(Brisbane, Australia):662–668 2012.

- [89] Ghosh Arnab, Chowdhury Arkabandhu, Sinha Subhajit, Vasilakos Athanasios V., Das Swagatam. A Genetic lbest PSO with Dynamically Varying Subswarm topology in *Proceedings of the 2012 IEEE Congress on Evolutionary Computation* (Li Xiaodong. , ed.)(Brisbane, Australia):669–675 2012.
- [90] Amaral Laurence, Hruschka Estevam. Never-Ending Learning Principles in Gene Ontology Classification using Genetic Algorithms in *Proceedings of the 2012 IEEE Congress on Evolutionary Computation* (Li Xiaodong. , ed.)(Brisbane, Australia):676–683 2012.
- [91] Uchitane Takeshi, Hatanaka Toshiharu. Experimental Study for Multi-Objective PSO with Single Objective Guide Selection in *Proceedings of the 2012 IEEE Congress on Evolutionary Computation* (Li Xiaodong. , ed.)(Brisbane, Australia):684–689 2012.
- [92] Liu Jenn-Long, Hsu Yu-Tzu, Hung Chih-Lung. Development of Evolutionary Data Mining Algorithms and their Applications to Cardiac Disease Diagnosis in *Proceedings of the 2012 IEEE Congress on Evolutionary Computation* (Li Xiaodong. , ed.)(Brisbane, Australia):690–697 2012.
- [93] Yeh Wei-Chang, Yeh Yuan-Ming, Chou Chun-Hua, Chung Y.Y., He Xiangjian. A Radio Frequency Identification Network Design Methodology for the Decision Problem in Mackay Memorial Hospital Based on Swarm Optimization in *Proceedings of the 2012 IEEE Congress on Evolutionary Computation* (Li Xiaodong. , ed.)(Brisbane, Australia):698–704 2012.
- [94] Mussetta Marco, Grimaccia Francesco, Zich Riccardo E.. Comparison of different optimization techniques for the design of electromagnetic devices in *Proceedings of the 2012 IEEE Congress on Evolutionary Computation* (Li Xiaodong. , ed.)(Brisbane, Australia):705–710 2012.
- [95] Siegmund Florian, Ng Amos H.C., Deb Kalyanmoy. Finding a preferred diverse set of Pareto-optimal solutions for a limited number of function calls in *Proceedings of the 2012 IEEE Congress on Evolutionary Computation* (Li Xiaodong. , ed.)(Brisbane, Australia):711–718 2012.
- [96] Zhang Lifeng, Zhou Chenxi. Self Organized Parallel Genetic Algorithm to Automatically Realize Diversified Convergence in *Proceedings of the 2012 IEEE Congress on Evolutionary Computation* (Li Xiaodong. , ed.)(Brisbane, Australia):719–727 2012.
- [97] Vanucci Sanderson, Bicalho Rafael, Carrano Eduardo, Takahashi Ricardo. A Modified NSGA-II for the Multiobjective Multi-mode Resource-Constrained Project Scheduling Problem in *Proceedings of the 2012 IEEE Congress on Evolutionary Computation* (Li Xiaodong. , ed.)(Brisbane, Australia):728–734 2012.
- [98] Legillon Francois, Liefoghe Arnaud, Talbi El-Ghazali. CoBRA: A Cooperative Coevolutionary Algorithm for Bi-level Optimization in *Proceedings of the 2012 IEEE Congress on Evolutionary Computation* (Li Xiaodong. , ed.)(Brisbane, Australia):735–742 2012.
- [99] Yao Xiangjuan, Gong Dunwei, Luo Yongjin, Li Ming. Test Data Reduction Based on Dominance Relations of Target Statements in *Proceedings of the 2012 IEEE Congress on Evolutionary Computation* (Li Xiaodong. , ed.)(Brisbane, Australia):743–750 2012.
- [100] Adewumi Aderemi, Budlender Nigel, Olusanya Micheal. Optimizing the Assignment of Blood in a Blood Banking System: Some Initial Results in *Proceedings of the 2012 IEEE Congress on Evolutionary Computation* (Li Xiaodong. , ed.)(Brisbane, Australia):751–756 2012.
- [101] Datta Rituparna, Bittermann Michael S., Deb Kalyanmoy, Ciftcioglu Ozer. Probabilistic Constraint Handling in the Framework of Joint Evolutionary-Classical Optimization with Engineering Applications in *Proceedings of the 2012 IEEE Congress on Evolutionary Computation* (Li Xiaodong. , ed.)(Brisbane, Australia):757–764 2012.
- [102] Wen Long, Gao Liang, Li Xinyu, Zhang Guohui, Yang Yang. Application of Free Pattern Search on the Surface Roughness Prediction in End Milling in *Proceedings of the 2012 IEEE Congress on Evolutionary Computation* (Li Xiaodong. , ed.)(Brisbane, Australia):765–770 2012.

- [103] Gong Yue, Zhang Jun. Real-Time Traffic Signal Control for Roundabouts by Using a Novel PSO-based Fuzzy Controller in *Proceedings of the 2012 IEEE Congress on Evolutionary Computation* (Li Xiaodong. , ed.)(Brisbane, Australia):771–778 2012.
- [104] Xue Bing, Zhang Mengjie, Browne Will N.. New Fitness Functions in Binary Particle Swarm Optimisation for Feature Selection in *Proceedings of the 2012 IEEE Congress on Evolutionary Computation* (Li Xiaodong. , ed.)(Brisbane, Australia):779–786 2012.
- [105] Qiu Fei, Wu Yu, Wang Li, Jiang Bo. Bipolar Preferences Dominance based Evolutionary Algorithm for Many-Objective Optimization in *Proceedings of the 2012 IEEE Congress on Evolutionary Computation* (Li Xiaodong. , ed.)(Brisbane, Australia):787–794 2012.
- [106] Liu Yao, Chung Yuk Ying, Yeh Wei Chang. Simplified Swarm Optimization with Sorted Local Search for Golf Data Classification in *Proceedings of the 2012 IEEE Congress on Evolutionary Computation* (Li Xiaodong. , ed.)(Brisbane, Australia):795–802 2012.
- [107] Raffe William, Zambetta Fabio, Li Xiaodong. A Survey of Procedural Terrain Generation Techniques using Evolutionary Algorithms in *Proceedings of the 2012 IEEE Congress on Evolutionary Computation* (Li Xiaodong. , ed.)(Brisbane, Australia):803–810 2012.
- [108] Yuan Yuan, Xu Hua. HHS/LNS: An Integrated Search Method for Flexible Job Shop Scheduling in *Proceedings of the 2012 IEEE Congress on Evolutionary Computation* (Li Xiaodong. , ed.)(Brisbane, Australia):811–818 2012.
- [109] Liu Jing, Zhong Weicai. Continuous Game Dynamics on Populations with a Cycle Structure under Weak Selection in *Proceedings of the 2012 IEEE Congress on Evolutionary Computation* (Li Xiaodong. , ed.)(Brisbane, Australia):819–824 2012.
- [110] Vasicek Zdenek, Sekanina Lukas. On Area Minimization of Complex Combinational Circuits Using Cartesian Genetic Programming in *Proceedings of the 2012 IEEE Congress on Evolutionary Computation* (Li Xiaodong. , ed.)(Brisbane, Australia):825–832 2012.
- [111] Pehlivanoglu Yasin Volkan, Baysal Oktay. Improved Particle Swarm Optimization: Catching the Big Wave on the Surf in *Proceedings of the 2012 IEEE Congress on Evolutionary Computation* (Li Xiaodong. , ed.)(Brisbane, Australia):833–840 2012.
- [112] Lu Qiang, Han Qing-Long. A Finite-time Particle Swarm Optimization Algorithm in *Proceedings of the 2012 IEEE Congress on Evolutionary Computation* (Li Xiaodong. , ed.)(Brisbane, Australia):841–848 2012.
- [113] Leung Shing Wa, Zhang Xin, Yuen Shiu Yin. Multiobjective Differential Evolution Algorithm with Opposition-Based Parameter Control in *Proceedings of the 2012 IEEE Congress on Evolutionary Computation* (Li Xiaodong. , ed.)(Brisbane, Australia):849–856 2012.
- [114] Fang Wei, Sun Jun, Wu Xiaojun, Xu Wenbo, Vasile Palade. Study on the Compression-Expansion Coefficient in Drift Particle Swarm Optimization in *Proceedings of the 2012 IEEE Congress on Evolutionary Computation* (Li Xiaodong. , ed.)(Brisbane, Australia):857–862 2012.
- [115] Iclanzan David, Chira Camelia. Modeling and Replicating Higher-Order Dependencies in Genetic Algorithms in *Proceedings of the 2012 IEEE Congress on Evolutionary Computation* (Li Xiaodong. , ed.)(Brisbane, Australia):863–870 2012.
- [116] Au Chun-Kit, Leung Ho-Fung. Eigenspace sampling in the mirrored variant of  $(1,\lambda)$ -CMA-ES in *Proceedings of the 2012 IEEE Congress on Evolutionary Computation* (Li Xiaodong. , ed.)(Brisbane, Australia):871–878 2012.
- [117] Alam Shafiq, Gillian Dobbie, Riddle Patricia, Koh Yun Sing. Hierarchical PSO Clustering Based Recommender System in *Proceedings of the 2012 IEEE Congress on Evolutionary Computation* (Li Xiaodong. , ed.)(Brisbane, Australia):879–886 2012.
- [118] Lee Myeong-Chun, Cho Sung-Bae. Interactive Differential Evolution for Image Enhancement Application in Smart Phone in *Proceedings of the 2012 IEEE Congress on Evolutionary Computation* (Li Xiaodong. , ed.)(Brisbane, Australia):887–892 2012.



- [119] Xinguo Shui, Xingquan Zuo, Cheng Chen. A Cultural Clonal Selection Algorithm based Fast Vehicle Scheduling Approach in *Proceedings of the 2012 IEEE Congress on Evolutionary Computation* (Li Xiaodong. , ed.)(Brisbane, Australia):893–899 2012.
- [120] Faccioli Rodrigo, Nunes da Silva Ivan, Bortot Leandro, Delbem Alexandre. A Mono-Objective Evolutionary Algorithm with GROMACS for Protein Structure Prediction in Structural and Energetic Contexts in *Proceedings of the 2012 IEEE Congress on Evolutionary Computation* (Li Xiaodong. , ed.)(Brisbane, Australia):900–906 2012.
- [121] Dias Douglas, Pacheco Marco Aurelio. Describing Quantum-Inspired Linear Genetic Programming from Symbolic Regression Problems in *Proceedings of the 2012 IEEE Congress on Evolutionary Computation* (Li Xiaodong. , ed.)(Brisbane, Australia):907–914 2012.
- [122] Ni Jiacheng, Li Li, Qiao Fei, Wu Qidi. A Novel Memetic Algorithm based on the Comprehensive Learning PSO in *Proceedings of the 2012 IEEE Congress on Evolutionary Computation* (Li Xiaodong. , ed.)(Brisbane, Australia):915–922 2012.
- [123] Hong Tzung-Pei, Lin Feng-Shih, Chen Chun-Hao. Using the Group Genetic Algorithm for Attribute Clustering in *Proceedings of the 2012 IEEE Congress on Evolutionary Computation* (Li Xiaodong. , ed.)(Brisbane, Australia):923–927 2012.
- [124] Ou Chung-Ming, Ou C.R.. Immune Memory with Associativity: Perspectives on Dynamical Systems in *Proceedings of the 2012 IEEE Congress on Evolutionary Computation* (Li Xiaodong. , ed.)(Brisbane, Australia):928–933 2012.
- [125] Vieira Susana, Mendonca Luis, Farinha Goncalo, Sousa Joao. Metaheuristics for feature selection: application to sepsis outcome prediction in *Proceedings of the 2012 IEEE Congress on Evolutionary Computation* (Li Xiaodong. , ed.)(Brisbane, Australia):934–941 2012.
- [126] Chan Kit Yan, Ling Sai Ho, Nguyen Hung, Jiang Frank. A hypoglycemic episode diagnosis system based on neural networks for Type 1 diabetes mellitus in *Proceedings of the 2012 IEEE Congress on Evolutionary Computation* (Li Xiaodong. , ed.)(Brisbane, Australia):942–947 2012.
- [127] Chang Kee Tong, Chin Kim On, Teo Jason, Mountstephens James. Game AI Generation using Evolutionary Multi-Objective Optimization in *Proceedings of the 2012 IEEE Congress on Evolutionary Computation* (Li Xiaodong. , ed.)(Brisbane, Australia):948–955 2012.
- [128] Li Yanjuan, Guo Maozu. Phase Transition and New Fitness Function Based Genetic Inductive Logic Programming Algorithm in *Proceedings of the 2012 IEEE Congress on Evolutionary Computation* (Li Xiaodong. , ed.)(Brisbane, Australia):956–963 2012.
- [129] LaTorre Antonio, Muelas Santiago, Pena Jose-Maria. Multiple Offspring Sampling in Large Scale Global Optimization in *Proceedings of the 2012 IEEE Congress on Evolutionary Computation* (Li Xiaodong. , ed.)(Brisbane, Australia):964–971 2012.
- [130] Rajasekhar Anguluri, Das Swagatam, Suganthan P. N.. Design of Fractional Order Controller for a Servohydraulic Positioning System with Micro Artificial Bee Colony Algorithm in *Proceedings of the 2012 IEEE Congress on Evolutionary Computation* (Li Xiaodong. , ed.)(Brisbane, Australia):972–979 2012.
- [131] Nasir Md, Sengupta Soumyadip, Das Swagatam, Suganthan Ponnuthurai N. An improved Multi-objective Optimization Algorithm based on Fuzzy Dominance for Risk Minimization in Biometric Sensor Network in *Proceedings of the 2012 IEEE Congress on Evolutionary Computation* (Li Xiaodong. , ed.)(Brisbane, Australia):980–987 2012.
- [132] Vazquez-Rodriguez Santiago, Gomollon Jesus A., Varela Gervasio, Paz-Lopez Alejandro. Non-Observability Analysis by Means of an Evolutionary Technique in Measured Electric Power Systems in *Proceedings of the 2012 IEEE Congress on Evolutionary Computation* (Li Xiaodong. , ed.)(Brisbane, Australia):988–994 2012.

- [133] Yu James J.Q., Li Victor O.K., Lam Albert Y.S.. Sensor Deployment for Air Pollution Monitoring Using Public Transportation System in *Proceedings of the 2012 IEEE Congress on Evolutionary Computation* (Li Xiaodong. , ed.)(Brisbane, Australia):995–1001 2012.
- [134] Benedicic Lucas, Stular Mitja, Korosec Peter. Balancing downlink and uplink soft-handover areas in UMTS networks in *Proceedings of the 2012 IEEE Congress on Evolutionary Computation* (Li Xiaodong. , ed.)(Brisbane, Australia):1002–1009 2012.
- [135] Tsai Pei-Chuan, Chen Chih-Ming, Chen Ying. Sparse Degrees Analysis for LT Codes Optimization in *Proceedings of the 2012 IEEE Congress on Evolutionary Computation* (Li Xiaodong. , ed.)(Brisbane, Australia):1010–1015 2012.
- [136] Liao Chien-Chih, Ting Chuan-Kang. Extending the Lifetime of Dynamic Wireless Sensor Networks by Genetic Algorithm in *Proceedings of the 2012 IEEE Congress on Evolutionary Computation* (Li Xiaodong. , ed.)(Brisbane, Australia):1016–1023 2012.
- [137] Zhang Anhong, Saunders Rob. Towards the Evolution of a Language for Creative Design in *Proceedings of the 2012 IEEE Congress on Evolutionary Computation* (Li Xiaodong. , ed.)(Brisbane, Australia):1024–1029 2012.
- [138] Cussat-Blanc Sylvain, Sanchez Stephane, Duthen Yves. Simultaneous cooperative and conflicting behaviors handled by a Gene Regulatory Network in *Proceedings of the 2012 IEEE Congress on Evolutionary Computation* (Li Xiaodong. , ed.)(Brisbane, Australia):1037–1044 2012.
- [139] Hanif Ayub, Smith Robert. Generation Path-Switching in Sequential Monte-Carlo Methods in *Proceedings of the 2012 IEEE Congress on Evolutionary Computation* (Li Xiaodong. , ed.)(Brisbane, Australia):1045–1051 2012.
- [140] Wang Tzai-Der, Wu Xiaochuan, Fyfe Colin. Comparative Study of Visualisation Methods for Temporal Data in *Proceedings of the 2012 IEEE Congress on Evolutionary Computation* (Li Xiaodong. , ed.)(Brisbane, Australia):1052–1056 2012.
- [141] Pai G A Vijayalakshmi, Michel Thierry. Differential Evolution based optimization of Risk budgeted Equity Market Neutral Portfolios in *Proceedings of the 2012 IEEE Congress on Evolutionary Computation* (Li Xiaodong. , ed.)(Brisbane, Australia):1057–1064 2012.
- [142] Sato Aki-Hiro. Japanese International Air Travel: The Relationship between Flight Ticket Price and Geodesic Distance in *Proceedings of the 2012 IEEE Congress on Evolutionary Computation* (Li Xiaodong. , ed.)(Brisbane, Australia):1065–1070 2012.
- [143] Wilson Garnett, Leblanc Derek, Banzhaf Wolfgang. Using Sector Information with Linear Genetic Programming for Intraday Equity Price Trend Analysis in *Proceedings of the 2012 IEEE Congress on Evolutionary Computation* (Li Xiaodong. , ed.)(Brisbane, Australia):1071–1078 2012.
- [144] Jevne Haken, Haddow Pauline, Gaivoronski Alexei. Evolving Constrained mean-VaR Efficient Frontiers in *Proceedings of the 2012 IEEE Congress on Evolutionary Computation* (Li Xiaodong. , ed.)(Brisbane, Australia):1079–1086 2012.
- [145] Soam Vishal, Palafox Leon, Iba Hitoshi. Multi-Objective Portfolio Optimization and Rebalancing Using Genetic Algorithms with Local Search in *Proceedings of the 2012 IEEE Congress on Evolutionary Computation* (Li Xiaodong. , ed.)(Brisbane, Australia):1087–1093 2012.
- [146] Yeh Chia-Hsuan, Yang Chun-Yi. Can learning affect the effectiveness of price limits? in *Proceedings of the 2012 IEEE Congress on Evolutionary Computation* (Li Xiaodong. , ed.)(Brisbane, Australia):1094–1101 2012.
- [147] Brabazon Anthony, Silva Arlindo, O'Neill Michael. Optimal Patent Design: An Agent-based Approach in *Proceedings of the 2012 IEEE Congress on Evolutionary Computation* (Li Xiaodong. , ed.)(Brisbane, Australia):1102–1109 2012.

- [148] Ma Haiping, Fei Minrui, Ding Zhiguo, Jin Jing. Biogeography-Based Optimization with Ensemble of Migration Models for Global Numerical Optimization in *Proceedings of the 2012 IEEE Congress on Evolutionary Computation* (Li Xiaodong. , ed.)(Brisbane, Australia):1110–1117 2012.
- [149] Hamza Noha, Sarker Ruhul, Essam Daryl. Differential Evolution with a mix of Constraint Consensus Methods for Solving a Real-World Optimization Problem in *Proceedings of the 2012 IEEE Congress on Evolutionary Computation* (Li Xiaodong. , ed.)(Brisbane, Australia):1118–1124 2012.
- [150] Gao Kaizhou, Suganthan Ponnuthurai Nagaratnam, Bao Zhenqiang. A composite heuristic for the no-wait flow shop scheduling in *Proceedings of the 2012 IEEE Congress on Evolutionary Computation* (Li Xiaodong. , ed.)(Brisbane, Australia):1125–1129 2012.
- [151] Cheung Catherine, Valdes Julio J., Li Matthew. Use of evolutionary computation techniques for exploration and prediction of helicopter loads in *Proceedings of the 2012 IEEE Congress on Evolutionary Computation* (Li Xiaodong. , ed.)(Brisbane, Australia):1130–1137 2012.
- [152] Elsayed Saber, Sarker Ruhul, Ray Tapabrata. Parameters Adaptation in Differential Evolution in *Proceedings of the 2012 IEEE Congress on Evolutionary Computation* (Li Xiaodong. , ed.)(Brisbane, Australia):1138–1145 2012.
- [153] Zhang Wei, Feng Xu, Zhang Yongjie, Xiong Xiong. Information Diffusion and Its Impacts on Artificial Stock Markets in Learning Process in *Proceedings of the 2012 IEEE Congress on Evolutionary Computation* (Li Xiaodong. , ed.)(Brisbane, Australia):1146–1151 2012.
- [154] Chen Shu-Heng, Gostoli Umberto. Coordination in the El Farol Bar Problem: The Role of Social Preferences and Social Networks in *Proceedings of the 2012 IEEE Congress on Evolutionary Computation* (Li Xiaodong. , ed.)(Brisbane, Australia):1152–1159 2012.
- [155] Tusar Tea, Dovgan Erik, Filipic Bogdan. Evolutionary Scheduling of Flexible Offers for Electricity Supply and Demand in *Proceedings of the 2012 IEEE Congress on Evolutionary Computation* (Li Xiaodong. , ed.)(Brisbane, Australia):1160–1167 2012.
- [156] Cepeda Jaime, Rueda Jose, Erlich Istvan. Identification of Dynamic Equivalents based on Heuristic Optimization for Smart Grid Applications in *Proceedings of the 2012 IEEE Congress on Evolutionary Computation* (Li Xiaodong. , ed.)(Brisbane, Australia):1168–1175 2012.
- [157] Ling Sai Ho, Nguyen Hung, Leung Frank H.F., Chan Kit Yan, Jiang Frank. Intelligent Fuzzy Particle Swarm Optimization with Cross-Mutated Operation in *Proceedings of the 2012 IEEE Congress on Evolutionary Computation* (Li Xiaodong. , ed.)(Brisbane, Australia):1176–1183 2012.
- [158] Khadem Saghar, Chan Kit Yan, Dillon Tharam. Optimization of neural network configurations for short-term traffic flow forecasting using orthogonal design in *Proceedings of the 2012 IEEE Congress on Evolutionary Computation* (Li Xiaodong. , ed.)(Brisbane, Australia):1184–1190 2012.
- [159] Ishibuchi Hisao, Hoshino Koichiro, Nojima Yusuke. Strategy Evolution in a Spatial IPD Game where Each Agent is not Allowed to Play against Itself in *Proceedings of the 2012 IEEE Congress on Evolutionary Computation* (Li Xiaodong. , ed.)(Brisbane, Australia):1191–1198 2012.
- [160] Perez Diego, Rohlfshagen Philipp, Lucas Simon. The Physical Travelling Salesman Problem: WCCI 2012 Competition in *Proceedings of the 2012 IEEE Congress on Evolutionary Computation* (Li Xiaodong. , ed.)(Brisbane, Australia):1199–1206 2012.
- [161] Greenwood Garrison, Ashlock Daniel. Evolutionary Games and the Study of Cooperation: Why Has So Little Progress Been Made? in *Proceedings of the 2012 IEEE Congress on Evolutionary Computation* (Li Xiaodong. , ed.)(Brisbane, Australia):1207–1214 2012.

- [162] Ishibuchi Hisao, Hoshino Koichiro, Nojima Yusuke. Evolution of Strategies in a Spatial IPD Game with a Number of Different Representation Schemes in *Proceedings of the 2012 IEEE Congress on Evolutionary Computation* (Li Xiaodong. , ed.)(Brisbane, Australia):1215–1222 2012.
- [163] Mahlmann Tobias, Togelius Julian, Yannakakis Georgios N.. Evolving Card Sets Towards Balancing Dominion in *Proceedings of the 2012 IEEE Congress on Evolutionary Computation* (Li Xiaodong. , ed.)(Brisbane, Australia):1223–1230 2012.
- [164] Hingston Philip, Masek Martin, Beard Daniel. Using Monte Carlo Tree Search for Replanning in a Multistage Simultaneous Game in *Proceedings of the 2012 IEEE Congress on Evolutionary Computation* (Li Xiaodong. , ed.)(Brisbane, Australia):1231–1238 2012.
- [165] Wilson Garnett, Harding Simon, Hoeber Orland, Devillers Rodolphe, Banzhaf Wolfgang. Parallel Exhaustive Search vs. Evolutionary Computation in a Large Real World Network Search Space in *Proceedings of the 2012 IEEE Congress on Evolutionary Computation* (Li Xiaodong. , ed.)(Brisbane, Australia):1239–1246 2012.
- [166] Tsutsui Shigeyoshi, Fujimoto Noriyuki. Implementation of Histogram Based Sampling Algorithm within an EDA Scheme with CUDA in *Proceedings of the 2012 IEEE Congress on Evolutionary Computation* (Li Xiaodong. , ed.)(Brisbane, Australia):1247–1254 2012.
- [167] Vazquez-Fernandez Eduardo, Coello Carlos, Sagols Feliu. An Evolutionary Algorithm coupled with the Hooke-Jeeves Algorithm for Tuning a Chess Evaluation Function in *Proceedings of the 2012 IEEE Congress on Evolutionary Computation* (Li Xiaodong. , ed.)(Brisbane, Australia):1255–1262 2012.
- [168] Nazmul Rumana, Chetty Madhu, Samudrala Ram, Chalmers David. Protein Structure Prediction based on Optimal Hydrophobic Core Formation in *Proceedings of the 2012 IEEE Congress on Evolutionary Computation* (Li Xiaodong. , ed.)(Brisbane, Australia):1263–1271 2012.
- [169] Forghany Zary, Davarynejad Mohsen, Snaar-Jagalska Ewa. Gene Regulatory Network Model Identification Using Artificial Bee Colony and Swarm Intelligence in *Proceedings of the 2012 IEEE Congress on Evolutionary Computation* (Li Xiaodong. , ed.)(Brisbane, Australia):1272–1277 2012.
- [170] Ko Gene M., Reddy A. Srinivas, Kumar Sunil, Garg Rajni, Bailey Barbara A., Hadaegh Ahmad R.. Differential Evolution-Binary Particle Swarm Optimization Algorithm for the Analysis of Aryl Beta-Diketo Acids for HIV-1 Integrase Inhibition in *Proceedings of the 2012 IEEE Congress on Evolutionary Computation* (Li Xiaodong. , ed.)(Brisbane, Australia):1278–1284 2012.
- [171] Chowdhury Ahsan, Chetty Madhu, Vinh Nguyen. Adaptive Regulatory Genes Cardinality for Reconstructing Genetic Networks in *Proceedings of the 2012 IEEE Congress on Evolutionary Computation* (Li Xiaodong. , ed.)(Brisbane, Australia):1285–1292 2012.
- [172] Ficici Sevan G., Liu Enoch, Fogel Gary B.. Evolutionary Algorithms for Supertree Search in *Proceedings of the 2012 IEEE Congress on Evolutionary Computation* (Li Xiaodong. , ed.)(Brisbane, Australia):1293–1300 2012.
- [173] Thompson Jeffrey A., Congdon Clare Bates. GAMID: Using Genetic Algorithms for the Inference of DNA Motifs That Are Represented in Only a Subset of Sequences of Interest in *Proceedings of the 2012 IEEE Congress on Evolutionary Computation* (Li Xiaodong. , ed.)(Brisbane, Australia):1301–1308 2012.
- [174] Gagne David J., Congdon Clare Bates. Preliminary Results for GAMMI: Genetic Algorithms for Motif-Module Inference in *Proceedings of the 2012 IEEE Congress on Evolutionary Computation* (Li Xiaodong. , ed.)(Brisbane, Australia):1309–1316 2012.
- [175] Palafox Leon, Hitoshi Iba. On the use of Population Based Incremental Learning to do Reverse Engineering on Gene Regulatory Networks in *Proceedings of the 2012 IEEE Congress on Evolutionary Computation* (Li Xiaodong. , ed.)(Brisbane, Australia):1317–1324 2012.

- [176] Wesolkowski Slawomir, Wojtaszek Daniel. SaFESST: Stochastic Fleet Estimation Under Steady State Tasking via Evolutionary Fleet Scheduling in *Proceedings of the 2012 IEEE Congress on Evolutionary Computation* (Li Xiaodong. , ed.)(Brisbane, Australia):1325–1332 2012.
- [177] Falcon Rafael, Abielmona Rami. A Response-Aware Risk Management Framework for Search-and-Rescue Operations in *Proceedings of the 2012 IEEE Congress on Evolutionary Computation* (Li Xiaodong. , ed.)(Brisbane, Australia):1333–1340 2012.
- [178] Setayesh Mahdi, Mengjie Zhang, Mark Johnston. Effects of Static and Dynamic Topologies in Particle Swarm Optimisation for Edge Detection in Noisy Images in *Proceedings of the 2012 IEEE Congress on Evolutionary Computation* (Li Xiaodong. , ed.)(Brisbane, Australia):1341–1348 2012.
- [179] Ciesielski Vic, Lam Brian, Nguyen Minh Luan. Comparison of Evolutionary and Conventional Feature Extraction Methods for Malt Classification in *Proceedings of the 2012 IEEE Congress on Evolutionary Computation* (Li Xiaodong. , ed.)(Brisbane, Australia):1349–1355 2012.
- [180] Fu Wenlong, Johnston Mark, Zhang Mengjie. Soft Edge Maps From Edge Detectors Evolved by Genetic Programming in *Proceedings of the 2012 IEEE Congress on Evolutionary Computation* (Li Xiaodong. , ed.)(Brisbane, Australia):1356–1363 2012.
- [181] Campomanes-Alvarez B. Rosario, Damas Sergio, Cordon Oscar. Mesh Simplification for 3D Modeling using Evolutionary Multi-Objective Optimization in *Proceedings of the 2012 IEEE Congress on Evolutionary Computation* (Li Xiaodong. , ed.)(Brisbane, Australia):1364–1371 2012.
- [182] Nielsen Sune S., Dorronsoro Bernabe, Danoy Gregoire, Bouvry Pascal. Novel Efficient Asynchronous Cooperative Co-evolutionary Multi-Objective Algorithms in *Proceedings of the 2012 IEEE Congress on Evolutionary Computation* (Li Xiaodong. , ed.)(Brisbane, Australia):1372–1378 2012.
- [183] Elsayed Saber, Sarker Ruhul, Essam Daryl. Memetic Multi-Topology Particle Swarm Optimizer for Constrained Optimization in *Proceedings of the 2012 IEEE Congress on Evolutionary Computation* (Li Xiaodong. , ed.)(Brisbane, Australia):1379–1386 2012.
- [184] Takahama Tetsuyuki, Sakai Setsuko. Efficient Constrained Optimization by the Epsilon Constrained Rank-Based Differential Evolution in *Proceedings of the 2012 IEEE Congress on Evolutionary Computation* (Li Xiaodong. , ed.)(Brisbane, Australia):1387–1394 2012.
- [185] Saha Amit, Ray Tapabrata. Equality Constrained Multi-Objective Optimization in *Proceedings of the 2012 IEEE Congress on Evolutionary Computation* (Li Xiaodong. , ed.)(Brisbane, Australia):1395–1401 2012.
- [186] Bonyadi Mohammad Reza, Michalewicz Zbigniew. A Fast Particle Swarm Optimization Algorithm for the Multidimensional Knapsack Problem in *Proceedings of the 2012 IEEE Congress on Evolutionary Computation* (Li Xiaodong. , ed.)(Brisbane, Australia):1402–1409 2012.
- [187] Engelbrecht Andries. Particle Swarm Optimization: Velocity Initialization in *Proceedings of the 2012 IEEE Congress on Evolutionary Computation* (Li Xiaodong. , ed.)(Brisbane, Australia):1410–1417 2012.
- [188] Hardhienata Medria, Merrick Kathryn, Ugrinovskii Valeri. Task Allocation in Multi-Agent Systems using Models of Motivation and Leadership in *Proceedings of the 2012 IEEE Congress on Evolutionary Computation* (Li Xiaodong. , ed.)(Brisbane, Australia):1418–1425 2012.
- [189] Guderian Falko, Schaffer Rainer, Fettweis Gerhard. Dimensioning the Heterogeneous Multiclusture Architecture via Parallelism Analysis and Evolutionary Computing in *Proceedings of the 2012 IEEE Congress on Evolutionary Computation* (Li Xiaodong. , ed.)(Brisbane, Australia):1426–1433 2012.

- [190] Guderian Falko, Schaffer Rainer, Fettweis Gerhard. Administration- and Communication-Aware IP Core Mapping in Scalable Multiprocessor System-on-Chips via Evolutionary Computing in *Proceedings of the 2012 IEEE Congress on Evolutionary Computation* (Li Xiaodong. , ed.)(Brisbane, Australia):1434–1441 2012.
- [191] Sayed Eman, Esam Daryl, Sarker Ruhul. Dependency Identification Technique for Large Scale Optimization Problems in *Proceedings of the 2012 IEEE Congress on Evolutionary Computation* (Li Xiaodong. , ed.)(Brisbane, Australia):1442–1449 2012.
- [192] Valsecchi Andrea, Damas Sergio, Santamaria Jose. An Image Registration Approach using Genetic Algorithms in *Proceedings of the 2012 IEEE Congress on Evolutionary Computation* (Li Xiaodong. , ed.)(Brisbane, Australia):1450–1457 2012.
- [193] Albukhanajer Wissam, Jin Yaochu, Briffa Johann, Williams Godfried. Evolutionary Multi-Objective Optimization of Trace Transform for Invariant Feature Extraction in *Proceedings of the 2012 IEEE Congress on Evolutionary Computation* (Li Xiaodong. , ed.)(Brisbane, Australia):1458–1465 2012.
- [194] Feng Xie, Song Andy. Evolving Frame Splitters by Genetic Programming in *Proceedings of the 2012 IEEE Congress on Evolutionary Computation* (Li Xiaodong. , ed.)(Brisbane, Australia):1466–1472 2012.
- [195] Zhang Xin, Luo Wenjian. Evolutionary Repair for Evolutionary Design of Combinational Logic Circuits in *Proceedings of the 2012 IEEE Congress on Evolutionary Computation* (Li Xiaodong. , ed.)(Brisbane, Australia):1473–1480 2012.
- [196] Sekanina Lukas, Salajka Vojtech, Vasicek Zdenek. Two-Step Evolution of Polymorphic Circuits for Image Multi-Filtering in *Proceedings of the 2012 IEEE Congress on Evolutionary Computation* (Li Xiaodong. , ed.)(Brisbane, Australia):1481–1488 2012.
- [197] Tanaka Masahiro, Takahama Tomoya. Restoration of Motion-Blurred Line Drawings by Differential Evolution and Richardson-Lucy Algorithm in *Proceedings of the 2012 IEEE Congress on Evolutionary Computation* (Li Xiaodong. , ed.)(Brisbane, Australia):1489–1496 2012.
- [198] Balazs Krisztian, Koczy Laszlo T.. Hybrid Bacterial Iterated Greedy Heuristics for the Permutation Flow Shop Problem in *Proceedings of the 2012 IEEE Congress on Evolutionary Computation* (Li Xiaodong. , ed.)(Brisbane, Australia):1497–1504 2012.
- [199] Xiong Jian, Abbass Hussein, Shafi Kamran. Multi-Uncertainty Problems (MUP) with Applications to Managing Risk in Resource-Constrained Project Scheduling in *Proceedings of the 2012 IEEE Congress on Evolutionary Computation* (Li Xiaodong. , ed.)(Brisbane, Australia):1505–1512 2012.
- [200] Mitavskiy Boris, He Jun. A Polynomial Time Approximation Scheme for a Single Machine Scheduling Problem Using a Hybrid Evolutionary Algorithm in *Proceedings of the 2012 IEEE Congress on Evolutionary Computation* (Li Xiaodong. , ed.)(Brisbane, Australia):1513–1520 2012.
- [201] While Lyndon, Bradstreet Lucas. Applying the WFG Algorithm to Calculate Incremental Hypervolumes in *Proceedings of the 2012 IEEE Congress on Evolutionary Computation* (Li Xiaodong. , ed.)(Brisbane, Australia):1521–1528 2012.
- [202] Chikumbo Oliver, Goodman Erik, Deb Kalyanmoy. Approximating a multi-dimensional Pareto front for a land use management problem: A modified MOEA with an epigenetic silencing metaphor in *Proceedings of the 2012 IEEE Congress on Evolutionary Computation* (Li Xiaodong. , ed.)(Brisbane, Australia):1529–1537 2012.
- [203] Yazdani Danial, Akbarzadeh-Totonchi Mohammad Reza, Nasiri Babak, Meybodi Mohammad Reza. A New Artificial Fish Swarm Algorithm for Dynamic Optimization Problems in *Proceedings of the 2012 IEEE Congress on Evolutionary Computation* (Li Xiaodong. , ed.)(Brisbane, Australia):1538–1545 2012.

- [204] Mezura-Montes Efren, Lopez-Davila Elyar A.. Adaptation and Local Search in the Modified Bacterial Foraging Algorithm for Constrained Optimization in *Proceedings of the 2012 IEEE Congress on Evolutionary Computation* (Li Xiaodong. , ed.)(Brisbane, Australia):1546–1553 2012.
- [205] Lemonge Afonso, Barbosa Helio, Bernardino Heder. A Family of Adaptive Penalty Schemes for Steady-state Genetic Algorithms in *Proceedings of the 2012 IEEE Congress on Evolutionary Computation* (Li Xiaodong. , ed.)(Brisbane, Australia):1554–1561 2012.
- [206] Orito Yukiko, Yamamoto Hisashi, Tsujimura Yasuhiro. Equality Constrained Long-Short Portfolio Replication by Using Probabilistic Model-building GA in *Proceedings of the 2012 IEEE Congress on Evolutionary Computation* (Li Xiaodong. , ed.)(Brisbane, Australia):1562–1569 2012.
- [207] Ghosh Avishek, Ghosh Arnab, Chowdhury Arkabandhu, Konar Amit, Kim Eunjin, Nagar Atulya K.. Linear Phase Low Pass FIR Filter Design Using Genetic Particle Swarm Optimization with Dynamically Varying Neighborhood Technique in *Proceedings of the 2012 IEEE Congress on Evolutionary Computation* (Li Xiaodong. , ed.)(Brisbane, Australia):1570–1576 2012.
- [208] Deep Kusum, Chauhan Pinkey, Pant Millie. Totally Disturbed Chaotic Particle Swarm Optimization in *Proceedings of the 2012 IEEE Congress on Evolutionary Computation* (Li Xiaodong. , ed.)(Brisbane, Australia):1577–1584 2012.
- [209] Ernst Andreas, Singh Gaurav. Lagrangian Particle Swarm Optimization for a Resource Constrained Machine Scheduling Problem in *Proceedings of the 2012 IEEE Congress on Evolutionary Computation* (Li Xiaodong. , ed.)(Brisbane, Australia):1585–1592 2012.
- [210] Fu Haobo, Sendhoff Bernhard, Tang Ke, Yao Xin. Characterizing Environmental Changes in Robust Optimization Over Time in *Proceedings of the 2012 IEEE Congress on Evolutionary Computation* (Li Xiaodong. , ed.)(Brisbane, Australia):1593–1600 2012.
- [211] Xiao Li, Zuo Xingquan. Multi-DEPSO—a DE and PSO Based Hybrid Algorithm in Dynamic Environments in *Proceedings of the 2012 IEEE Congress on Evolutionary Computation* (Li Xiaodong. , ed.)(Brisbane, Australia):1601–1607 2012.
- [212] Yoo Jun Hee, Seok Ho-Sik, Zhang Byoung-Tak. Evolutionary Particle Filtering for Sequential Dependency Learning from Video Data in *Proceedings of the 2012 IEEE Congress on Evolutionary Computation* (Li Xiaodong. , ed.)(Brisbane, Australia):1608–1615 2012.
- [213] Zamuda Ales, Brest Janez. Tree Model Reconstruction Innovization Using Multi-objective Differential Evolution in *Proceedings of the 2012 IEEE Congress on Evolutionary Computation* (Li Xiaodong. , ed.)(Brisbane, Australia):1616–1623 2012.
- [214] Zhang Zheng, Seah Hock Soon, Sun Jixiang. A Hybrid Particle Swarm Optimization with Cooperative Method for Multi-Object Tracking in *Proceedings of the 2012 IEEE Congress on Evolutionary Computation* (Li Xiaodong. , ed.)(Brisbane, Australia):1624–1629 2012.
- [215] Al-Sahaf Harith, Song Andy, Neshatian Kourosh, Zhang Mengjie. Extracting Image Features for Classification By Two-Tier Genetic Programming in *Proceedings of the 2012 IEEE Congress on Evolutionary Computation* (Li Xiaodong. , ed.)(Brisbane, Australia):1630–1637 2012.
- [216] Liang Jane Jing, Qu Boyang, Suganthan P. N., Niu Ben. Dynamic Multi-Swarm Particle Swarm Optimization for Multi-Objective Optimization Problems in *Proceedings of the 2012 IEEE Congress on Evolutionary Computation* (Li Xiaodong. , ed.)(Brisbane, Australia):1638–1645 2012.
- [217] Britto Andre, Pozo Aurora. Using Archiving Methods to Control Convergence and Diversity for Many-Objective Problems in Particle Swarm Optimization in *Proceedings of the 2012 IEEE Congress on Evolutionary Computation* (Li Xiaodong. , ed.)(Brisbane, Australia):1646–1653 2012.

- [218] Junior Olacir Castro, Britto Andre, Pozo Aurora. A Comparison of Methods for Leader Selection in Many-Objective Problems in *Proceedings of the 2012 IEEE Congress on Evolutionary Computation* (Li Xiaodong. , ed.)(Brisbane, Australia):1654–1661 2012.
- [219] Yan Fei, Le Phuc Q., Ilyasu Abdullah M., et al. Assessing the Similarity of Quantum Images based on Probability Measurements in *Proceedings of the 2012 IEEE Congress on Evolutionary Computation* (Li Xiaodong. , ed.)(Brisbane, Australia):1662–1667 2012.
- [220] Rahman Md. Mazder, Dueck Gerhard. An Algorithm to Find Quantum Templates in *Proceedings of the 2012 IEEE Congress on Evolutionary Computation* (Li Xiaodong. , ed.)(Brisbane, Australia):1668–1674 2012.
- [221] Juan Xu, Han-wu Chen, Zhihao Liu, Yue Ruan, Wanning Zhu. Quantum secret sharing without exclusive OR of qubits’ measuring results in *Proceedings of the 2012 IEEE Congress on Evolutionary Computation* (Li Xiaodong. , ed.)(Brisbane, Australia):1675–1678 2012.
- [222] Wenping Ma, Yuanyuan Huang, Congling Li, Jing Liu. Image Segmentation Based On A Hybrid Immune Memetic Algorithm in *Proceedings of the 2012 IEEE Congress on Evolutionary Computation* (Li Xiaodong. , ed.)(Brisbane, Australia):1679–1686 2012.
- [223] Duma Mlungisi, Twala Bhekisipho, Marwala Tshilidzi, Nelwamondo Fulufhelo. Classification with Missing Data using Multi-Layered Artificial Immune Systems in *Proceedings of the 2012 IEEE Congress on Evolutionary Computation* (Li Xiaodong. , ed.)(Brisbane, Australia):1687–1694 2012.
- [224] Zhang Weiwei, Yen Gary. Immune-inspired Evolutionary Algorithm for Constrained Optimization in *Proceedings of the 2012 IEEE Congress on Evolutionary Computation* (Li Xiaodong. , ed.)(Brisbane, Australia):1695–1702 2012.
- [225] Ludwig Simone. Step-Optimized Particle Swarm Optimization in *Proceedings of the 2012 IEEE Congress on Evolutionary Computation* (Li Xiaodong. , ed.)(Brisbane, Australia):1703–1711 2012.
- [226] Epitropakis Michael, Tasoulis Dimitris, Pavlidis Nicos, Plagianakos Vassilis, Vrahatis Michael. Tracking Particle Swarm Optimizers: An adaptive approach through multinomial distribution tracking with exponential forgetting in *Proceedings of the 2012 IEEE Congress on Evolutionary Computation* (Li Xiaodong. , ed.)(Brisbane, Australia):1712–1719 2012.
- [227] Hendtlass Tim. Restarting Particle Swarm Optimisation in *Proceedings of the 2012 IEEE Congress on Evolutionary Computation* (Li Xiaodong. , ed.)(Brisbane, Australia):1720–1728 2012.
- [228] Segredo Eduardo, Segura Carlos, Leon Coromoto. Analysing the Robustness of Multiobjectivisation Parameters with Large Scale Optimisation Problems in *Proceedings of the 2012 IEEE Congress on Evolutionary Computation* (Li Xiaodong. , ed.)(Brisbane, Australia):1729–1736 2012.
- [229] Cai Xinye, Hu Zhenzhou, Das Sanjoy, Welch Stephen. A Hierarchical Pareto Dominance based Multi-objective Approach for the Optimization of Gene Regulatory Network Models in *Proceedings of the 2012 IEEE Congress on Evolutionary Computation* (Li Xiaodong. , ed.)(Brisbane, Australia):1737–1742 2012.
- [230] Lee Dongseop, Gonzalez Luis Felipe, Jacques Periaux, Bugada Gabriel. Multi-Objective Design Optimization of Morphing UAV Aerofoil/Wing Using Hybridised MOGA in *Proceedings of the 2012 IEEE Congress on Evolutionary Computation* (Li Xiaodong. , ed.)(Brisbane, Australia):1743–1750 2012.
- [231] Liu Zhihao, Chen Hanwu, Xu Juan, Li Wenqian, Li Zhigang. Deterministic Secure Quantum Communication with Mutual Authentication Based on Bell Measurement in *Proceedings of the 2012 IEEE Congress on Evolutionary Computation* (Li Xiaodong. , ed.)(Brisbane, Australia):1751–1755 2012.



- [232] Izadinia Hamid, Ebadzadeh Mohammad Mehdi. Adaptive Quantum-Inspired Evolution Strategy in *Proceedings of the 2012 IEEE Congress on Evolutionary Computation* (Li Xiaodong. , ed.)(Brisbane, Australia):1760–1767 2012.
- [233] Borges Ederson, Ferrari Daniel G., de Castro Leandro N.. Silhouette-Based Clustering using an Immune Network in *Proceedings of the 2012 IEEE Congress on Evolutionary Computation* (Li Xiaodong. , ed.)(Brisbane, Australia):1768–1776 2012.
- [234] Carraro Luiz Antonio, de Castro Leandro Nunes. A Clonal Selection Algorithm to Minimize Reshuffling in Container Stacking Operations in *Proceedings of the 2012 IEEE Congress on Evolutionary Computation* (Li Xiaodong. , ed.)(Brisbane, Australia):1777–1784 2012.
- [235] Nascimento Antonio, Vasconcelos Germano. An Experimental Investigation of Artificial Immune System Algorithms for Credit Risk Assessment Applications in *Proceedings of the 2012 IEEE Congress on Evolutionary Computation* (Li Xiaodong. , ed.)(Brisbane, Australia):1785–1792 2012.
- [236] Lattarulo Valerio, Parks Geoffrey T.. A Preliminary Study of a new Multi-objective Optimization Algorithm in *Proceedings of the 2012 IEEE Congress on Evolutionary Computation* (Li Xiaodong. , ed.)(Brisbane, Australia):1793–1800 2012.
- [237] Shim Vui Ann, Tan Kay Chen, Tan Kok Kiong. A Hybrid Estimation of Distribution Algorithm for Solving the Multi-objective Multiple Traveling Salesman Problem in *Proceedings of the 2012 IEEE Congress on Evolutionary Computation* (Li Xiaodong. , ed.)(Brisbane, Australia):1809–1816 2012.
- [238] Lin Ling, Ji Zhen, Zhu Zexuan, He Shan. A Crown Jewel Defense Strategy Based Particle Swarm Optimization in *Proceedings of the 2012 IEEE Congress on Evolutionary Computation* (Li Xiaodong. , ed.)(Brisbane, Australia):1817–1822 2012.
- [239] Deep Kusum, Chauhan Pinkey, Pant Millie. Multi Task Selection including Part Mix, Tool Allocation and Process Plans in CNC Machining Centers using New Binary PSO in *Proceedings of the 2012 IEEE Congress on Evolutionary Computation* (Li Xiaodong. , ed.)(Brisbane, Australia):1823–1830 2012.
- [240] Ji Zhen, Tian Tao, Zhu Zexuan, He Shan. A Memory Binary Particle Swarm Optimization in *Proceedings of the 2012 IEEE Congress on Evolutionary Computation* (Li Xiaodong. , ed.)(Brisbane, Australia):1831–1835 2012.
- [241] Fajfar Iztok. Selection Strategies and Random Perturbations in Differential Evolution in *Proceedings of the 2012 IEEE Congress on Evolutionary Computation* (Li Xiaodong. , ed.)(Brisbane, Australia):1836–1842 2012.
- [242] Zhang Xin, Yuen Shiu Yin. Opposition-Based Adaptive Differential Evolution in *Proceedings of the 2012 IEEE Congress on Evolutionary Computation* (Li Xiaodong. , ed.)(Brisbane, Australia):1843–1850 2012.
- [243] Barmada Sami, Raugi Marco, Tucci Mauro. Global Optimization Algorithm Based on Self-Organizing Centroids in *Proceedings of the 2012 IEEE Congress on Evolutionary Computation* (Li Xiaodong. , ed.)(Brisbane, Australia):1851–1856 2012.
- [244] Pilat Martin, Neruda Roman. An Evolutionary Strategy for Surrogate-Based Multiobjective Optimization in *Proceedings of the 2012 IEEE Congress on Evolutionary Computation* (Li Xiaodong. , ed.)(Brisbane, Australia):1857–1863 2012.
- [245] Nag Kaustuv, Pal Tandra. A new Archive based Steady State Genetic Algorithm in *Proceedings of the 2012 IEEE Congress on Evolutionary Computation* (Li Xiaodong. , ed.)(Brisbane, Australia):1864–1870 2012.
- [246] Kudo Fumiya, Yoshikawa Tomohiro. Knowledge Extraction in Multi-objective Optimization Problem based on Visualization of Pareto Solutions in *Proceedings of the 2012 IEEE Congress on Evolutionary Computation* (Li Xiaodong. , ed.)(Brisbane, Australia):1871–1876 2012.

- [247] Cervante Liam, Xue Bing, Zhang Mengjie, Shang Lin. Binary Particle Swarm Optimisation for Feature Selection: A Filter Based Approach in *Proceedings of the 2012 IEEE Congress on Evolutionary Computation* (Li Xiaodong. , ed.)(Brisbane, Australia):1877–1884 2012.
- [248] Zhang Guangrui, Mahfouf Mahdi, Panoutsos George, Wang Shen. A Multi-objective Particle Swarm Optimization Algorithm with a Dynamic Hypercube Archive, Mutation and Population Competition in *Proceedings of the 2012 IEEE Congress on Evolutionary Computation* (Li Xiaodong. , ed.)(Brisbane, Australia):1885–1891 2012.
- [249] Rada-Vilela Juan, Zhang Mengjie, Seah Winston. A Performance Study on the Effects of Noise and Evaporation in Particle Swarm Optimization in *Proceedings of the 2012 IEEE Congress on Evolutionary Computation* (Li Xiaodong. , ed.)(Brisbane, Australia):1892–1899 2012.
- [250] Moser Irene, Gheorghita Marius. Combining Search Space Diagnostics and Optimisation in *Proceedings of the 2012 IEEE Congress on Evolutionary Computation* (Li Xiaodong. , ed.)(Brisbane, Australia):1900–1907 2012.
- [251] Balcar Stepan, Pilat Martin, Neruda Roman. An Evolutionary Algorithm for 2D Semi-Guillotinable Circular Saw Cutting in *Proceedings of the 2012 IEEE Congress on Evolutionary Computation* (Li Xiaodong. , ed.)(Brisbane, Australia):1908–1912 2012.
- [252] Bruck Bruno, Santos Andre', Arroyo Jose'. Hybrid metaheuristic for the single vehicle routing problem with deliveries and selective pickups in *Proceedings of the 2012 IEEE Congress on Evolutionary Computation* (Li Xiaodong. , ed.)(Brisbane, Australia):1913–1920 2012.
- [253] De Weerd Jochen, vanden Broucke Seppe, Vanthienen Jan, Baesens Bart. Leveraging Process Discovery with Trace Clustering and Text Mining for Intelligent Analysis of Incident Management Processes in *Proceedings of the 2012 IEEE Congress on Evolutionary Computation* (Li Xiaodong. , ed.)(Brisbane, Australia):1921–1928 2012.
- [254] Buijs Joos, van Dongen Boudewijn, van der Aals Wil. A Genetic Algorithm for Discovering Process Trees in *Proceedings of the 2012 IEEE Congress on Evolutionary Computation* (Li Xiaodong. , ed.)(Brisbane, Australia):1929–1936 2012.
- [255] Yang Yang, Mabu Shingo, Hirasawa Kotaro. A Multitasks Learning Approach to Autonomous Agent based on Genetic Network Programming in *Proceedings of the 2012 IEEE Congress on Evolutionary Computation* (Li Xiaodong. , ed.)(Brisbane, Australia):1937–1943 2012.
- [256] Matayoshi Mitsukuni. Landscape Information Extraction from Chromosome based on a Quality Control Approach in *Proceedings of the 2012 IEEE Congress on Evolutionary Computation* (Li Xiaodong. , ed.)(Brisbane, Australia):1944–1951 2012.
- [257] Cheng Ran, Yao Min, Xue Xiaowei, Shen Bin. Bisexual Evolution: A Novel Bisexual Evolutionary Framework Based on the Fisher's Runaway Process in *Proceedings of the 2012 IEEE Congress on Evolutionary Computation* (Li Xiaodong. , ed.)(Brisbane, Australia):1952–1959 2012.
- [258] Ludwig Simone. Clonal Selection based Genetic Algorithm for Workflow Service Selection in *Proceedings of the 2012 IEEE Congress on Evolutionary Computation* (Li Xiaodong. , ed.)(Brisbane, Australia):1960–1966 2012.
- [259] Albaity Heyam, Meshoul Souham, Kaban Ata. On Extending Quantum Behaved Particle Swarm Optimization to MultiObjective Context in *Proceedings of the 2012 IEEE Congress on Evolutionary Computation* (Li Xiaodong. , ed.)(Brisbane, Australia):1967–1974 2012.
- [260] Hadka David, Reed Patrick, Simpson Timothy. Diagnostic Assessment of the Borg MOEA for Many-Objective Product Family Design Problems in *Proceedings of the 2012 IEEE Congress on Evolutionary Computation* (Li Xiaodong. , ed.)(Brisbane, Australia):1975–1984 2012.
- [261] Yuen Joseph, Gao Sophia, Wagner Markus, Neumann Frank. An Adaptive Data Structure for Evolutionary Multi-Objective Algorithms with Unbounded Archives in *Proceedings of the 2012 IEEE Congress on Evolutionary Computation* (Li Xiaodong. , ed.)(Brisbane, Australia):1985–1992 2012.

- [262] Hussein Mazen, Petering Matthew. Genetic Algorithm-Based Simulation Optimization of Stacking Algorithms for Yard Cranes to Reduce Fuel Consumption at Seaport Container Transshipment Terminals in *Proceedings of the 2012 IEEE Congress on Evolutionary Computation* (Li Xiaodong. , ed.)(Brisbane, Australia):1993–2000 2012.
- [263] Weerasinghe Madawa, Sofronov Georgy. A Modified Cross Entropy Method for Detecting Multiple Change Points in DNA Count Data in *Proceedings of the 2012 IEEE Congress on Evolutionary Computation* (Li Xiaodong. , ed.)(Brisbane, Australia):2001–2008 2012.
- [264] Coelho Dayanne G, Wanner Elizabeth F, Souza Sergio R, Carrano Eduardo G, Purshouse Robin C. A Multiobjective Evolutionary Algorithm for the 2D Guillotine Strip Packing Problem in *Proceedings of the 2012 IEEE Congress on Evolutionary Computation* (Li Xiaodong. , ed.)(Brisbane, Australia):2009–2016 2012.
- [265] Chiong Raymond, Kirley Michael. The Evolution of Cooperation via Stigmergic Interactions in *Proceedings of the 2012 IEEE Congress on Evolutionary Computation* (Li Xiaodong. , ed.)(Brisbane, Australia):2017–2024 2012.
- [266] Anh Han The, Luis Moniz Pereira, Francisco C. Santos. Intention Recognition, Commitment and the Evolution of Cooperation in *Proceedings of the 2012 IEEE Congress on Evolutionary Computation* (Li Xiaodong. , ed.)(Brisbane, Australia):2025–2032 2012.
- [267] Lakshika Erandi, Barlow Michael, Easton Adam. Fidelity and Complexity of Standing Group Conversation Simulations: A Framework for the Evolution of Multi Agent Systems through Bootstrapping Human Aesthetic Judgments in *Proceedings of the 2012 IEEE Congress on Evolutionary Computation* (Li Xiaodong. , ed.)(Brisbane, Australia):2033–2040 2012.
- [268] Macharet Douglas, Neto Armando Alves, da Camara Neto Vilar, Campos Mario. Data Gathering Tour Optimization for Dubins' Vehicles in *Proceedings of the 2012 IEEE Congress on Evolutionary Computation* (Li Xiaodong. , ed.)(Brisbane, Australia):2041–2048 2012.
- [269] Riano Lorenzo, McGinnity T.M.. A Robot that Autonomously Improves Skills by Evolving Computational Graphs in *Proceedings of the 2012 IEEE Congress on Evolutionary Computation* (Li Xiaodong. , ed.)(Brisbane, Australia):2049–2056 2012.
- [270] Bidlo Michal, Vasicek Zdenek. Evolution of Cellular Automata Using Instruction-Based Approach in *Proceedings of the 2012 IEEE Congress on Evolutionary Computation* (Li Xiaodong. , ed.)(Brisbane, Australia):2057–2064 2012.
- [271] Epitropakis Michael, Plagianakos Vassilis, Vrahatis Michael. Multimodal Optimization Using Niching Differential Evolution with Index-based Neighborhoods in *Proceedings of the 2012 IEEE Congress on Evolutionary Computation* (Li Xiaodong. , ed.)(Brisbane, Australia):2065–2072 2012.
- [272] Mallipeddi Rammohan, Lee Minh. Surrogate Model Assisted Ensemble Differential Evolution Algorithm in *Proceedings of the 2012 IEEE Congress on Evolutionary Computation* (Li Xiaodong. , ed.)(Brisbane, Australia):2073–2080 2012.
- [273] Wang Xianpeng, Tang Lixin. Multi-objective optimization using a hybrid differential evolution algorithm in *Proceedings of the 2012 IEEE Congress on Evolutionary Computation* (Li Xiaodong. , ed.)(Brisbane, Australia):2081–2088 2012.
- [274] Sato Hiroyuki, Hasegawa Yoshihiko, Bollegala Danushka, Iba Hitoshi. Probabilistic Model Building GP with Belief Propagation in *Proceedings of the 2012 IEEE Congress on Evolutionary Computation* (Li Xiaodong. , ed.)(Brisbane, Australia):2089–2096 2012.
- [275] Li Xianneng, Li Bing, Mabu Shingo, Hirasawa Kotaro. A Continuous Estimation of Distribution Algorithm by Evolving Graph Structures Using Reinforcement Learning in *Proceedings of the 2012 IEEE Congress on Evolutionary Computation* (Li Xiaodong. , ed.)(Brisbane, Australia):2097–2104 2012.

- [276] Mishra Krishna, Gallagher Marcus. Variable Screening for Reduced Dependency Modelling in Gaussian-based Continuous Estimation of Distribution Algorithms in *Proceedings of the 2012 IEEE Congress on Evolutionary Computation* (Li Xiaodong. , ed.)(Brisbane, Australia):2105–2112 2012.
- [277] Shim Vui Ann, Tan Kay Chen, Tan Kok Kiong. A Hybrid Adaptive Evolutionary Algorithm in the Domination-based and Decomposition-based Frameworks of Multi-objective Optimization in *Proceedings of the 2012 IEEE Congress on Evolutionary Computation* (Li Xiaodong. , ed.)(Brisbane, Australia):2113–2120 2012.
- [278] Abello Manuel, Michalewicz Zbigniew, Bui Lam Thu. A Reactive-Proactive Approach for Solving Dynamic Scheduling with Time-varying Number of Tasks in *Proceedings of the 2012 IEEE Congress on Evolutionary Computation* (Li Xiaodong. , ed.)(Brisbane, Australia):2121–2130 2012.
- [279] Mohammadi Asad, Omidvar Mohammad Nabi, Li Xiaodong. Reference Point Based Multi-objective Optimization Through Decomposition in *Proceedings of the 2012 IEEE Congress on Evolutionary Computation* (Li Xiaodong. , ed.)(Brisbane, Australia):2131–2138 2012.
- [280] Yuwono Mitchell, Su Steven W., Moulton Bruce, Nguyen Hung. Fast unsupervised learning method for rapid estimation of cluster centroids in *Proceedings of the 2012 IEEE Congress on Evolutionary Computation* (Li Xiaodong. , ed.)(Brisbane, Australia):2139–2146 2012.
- [281] Atyabi Adham, Luerksen Martin, Fitzgibbon Sean P., Powers David M. W.. Dimension Reduction in EEG Data using Particle Swarm Optimization in *Proceedings of the 2012 IEEE Congress on Evolutionary Computation* (Li Xiaodong. , ed.)(Brisbane, Australia):2147–2154 2012.
- [282] Atyabi Adham, Luerksen Martin, Fitzgibbon Sean P., Powers David M. W.. Adapting Subject-Independent Task-Specific EEG Feature Masks using PSO in *Proceedings of the 2012 IEEE Congress on Evolutionary Computation* (Li Xiaodong. , ed.)(Brisbane, Australia):2155–2161 2012.
- [283] Munoz Mario A., Kirley Michael, Halgamuge Saman. Landscape Characterization of Numerical Optimization Problems Using Biased Scattered Data in *Proceedings of the 2012 IEEE Congress on Evolutionary Computation* (Li Xiaodong. , ed.)(Brisbane, Australia):2162–2169 2012.
- [284] Shimoyama Koji, Sato Koma, Jeong Shinkyu, Obayashi Shigeru. Comparison of the Criteria for Updating Kriging Response Surface Models in Multi-Objective Optimization in *Proceedings of the 2012 IEEE Congress on Evolutionary Computation* (Li Xiaodong. , ed.)(Brisbane, Australia):2170–2177 2012.
- [285] Arias-Montano Alfredo, Coello Coello Carlos A., Mezura-Montes Efren. Multi-Objective Airfoil Shape Optimization Using a Multiple-Surrogate Approach in *Proceedings of the 2012 IEEE Congress on Evolutionary Computation* (Li Xiaodong. , ed.)(Brisbane, Australia):2178–2185 2012.
- [286] Sengupta Soumyadip, Das Swagatam, Nasir Md., Vasilakos A. V., Pedrycz Witold. Energy-Efficient Differentiated Coverage of Dynamic Objects using an Improved Evolutionary Multi-objective optimization Algorithm with Fuzzy-Dominance in *Proceedings of the 2012 IEEE Congress on Evolutionary Computation* (Li Xiaodong. , ed.)(Brisbane, Australia):2186–2193 2012.
- [287] Huo Chih-Li, Lin Shu-Yan, Lai Tzu-Ying, Lien Yean-Shain, Sun Tsung-Ying. Multi-Objective Differential Evolution with Taguchi-based Adjustable Proportional Distribution in *Proceedings of the 2012 IEEE Congress on Evolutionary Computation* (Li Xiaodong. , ed.)(Brisbane, Australia):2194–2201 2012.
- [288] Liu Ruochen, Wang Xiao, Li Yangyang, Xiangrong Zhang. Multi-objective Invasive Weed Optimization Algorithm for Clustering in *Proceedings of the 2012 IEEE Congress on Evolutionary Computation* (Li Xiaodong. , ed.)(Brisbane, Australia):2202–2209 2012.

- [289] Dick Grant. Niche Allocation in Spatially-Structured Evolutionary Algorithms with Gradients in *Proceedings of the 2012 IEEE Congress on Evolutionary Computation* (Li Xiaodong. , ed.)(Brisbane, Australia):2210–2217 2012.
- [290] Leitaio Antonio, Pereira Francisco B., Machado Penousal. Enhancing Cluster Geometry Optimization with Island Models in *Proceedings of the 2012 IEEE Congress on Evolutionary Computation* (Li Xiaodong. , ed.)(Brisbane, Australia):2218–2225 2012.
- [291] Dorronsoro Bernabe, Bouvry Pascal. Study of Different Small-world Topology Generation Mechanisms for Genetic Algorithms in *Proceedings of the 2012 IEEE Congress on Evolutionary Computation* (Li Xiaodong. , ed.)(Brisbane, Australia):2226–2233 2012.
- [292] Tao Yanyun, Cao Jian, Zhang Yuzhen, Lin Jiajun, Li Minglu. Using Module-level Evolvable hardware Approach in Design of Sequential Logic Circuits in *Proceedings of the 2012 IEEE Congress on Evolutionary Computation* (Li Xiaodong. , ed.)(Brisbane, Australia):2234–2241 2012.
- [293] Moraglio Alberto, Otero Fernando, Johnson Colin, Thompson Simon, Freitas Alex. Evolving Recursive Programs using Non-recursive Scaffolding in *Proceedings of the 2012 IEEE Congress on Evolutionary Computation* (Li Xiaodong. , ed.)(Brisbane, Australia):2242–2249 2012.
- [294] Castle Tom, Johnson Colin. Evolving Program Trees with Limited Scope Variable Declarations in *Proceedings of the 2012 IEEE Congress on Evolutionary Computation* (Li Xiaodong. , ed.)(Brisbane, Australia):2250–2257 2012.
- [295] El-Bouri Ahmed. An Investigation of Initial Solutions on the Performance of an Iterated Local Search Algorithm for the Permutation Flowshop in *Proceedings of the 2012 IEEE Congress on Evolutionary Computation* (Li Xiaodong. , ed.)(Brisbane, Australia):2258–2262 2012.
- [296] Bansal Richa, Srivastava Kamal, Srivastava Sanjay. A Hybrid Evolutionary Algorithm for the Cutwidth Minimization Problem in *Proceedings of the 2012 IEEE Congress on Evolutionary Computation* (Li Xiaodong. , ed.)(Brisbane, Australia):2263–2270 2012.
- [297] Wu Zhou, Xu Lu, Chow T. W. S., Zhao Mingbo. Local Cooperation Delivers Global Optimization in *Proceedings of the 2012 IEEE Congress on Evolutionary Computation* (Li Xiaodong. , ed.)(Brisbane, Australia):2271–2278 2012.
- [298] Johnson Colin. Search-based Evolutionary Operators for Extensionally-defined Search Spaces: Applications to Image Search in *Proceedings of the 2012 IEEE Congress on Evolutionary Computation* (Li Xiaodong. , ed.)(Brisbane, Australia):2279–2285 2012.
- [299] Cancino Waldo, Boukhelifa Nadia, Lutton Evelyne. EvoGraphDice: Interactive Evolution for Visual Analytics in *Proceedings of the 2012 IEEE Congress on Evolutionary Computation* (Li Xiaodong. , ed.)(Brisbane, Australia):2286–2293 2012.
- [300] Sinha Ankur, Pandey Anmol, Deb Kalyanmoy. Solving High Objective Problems in Fixed Interactions with the Decision Maker in *Proceedings of the 2012 IEEE Congress on Evolutionary Computation* (Li Xiaodong. , ed.)(Brisbane, Australia):2294–2301 2012.
- [301] Szabo Claudia, Kroeger Trent. Evolving Multi-objective Strategies for Task Allocation of Scientific Workflows on Public Clouds in *Proceedings of the 2012 IEEE Congress on Evolutionary Computation* (Li Xiaodong. , ed.)(Brisbane, Australia):2302–2309 2012.
- [302] Stringer Jeremy, Lamont Gary, Akers Geoffrey. Radar Phase-Coded Waveform Design using Multi-Objective Evolutionary Algorithms in *Proceedings of the 2012 IEEE Congress on Evolutionary Computation* (Li Xiaodong. , ed.)(Brisbane, Australia):2310–2317 2012.
- [303] Ryu Si-Jung, Lee Ki-Baek, Kim Jong-Hwan. Improved Version of a Multiobjective Quantum-inspired Evolutionary Algorithm with Preference-based Selection in *Proceedings of the 2012 IEEE Congress on Evolutionary Computation* (Li Xiaodong. , ed.)(Brisbane, Australia):2318–2324 2012.

- [304] Jordan Claire Diora, Kroeger Trent. An Evolutionary Algorithm for Bilevel Optimisation of Men's Team Pursuit Track Cycling in *Proceedings of the 2012 IEEE Congress on Evolutionary Computation* (Li Xiaodong. , ed.)(Brisbane, Australia):2325–2332 2012.
- [305] Sinha Ankur, Malo Pekka, Deb Kalyanmoy. Unconstrained Scalable Test Problems for Single-Objective Bilevel Optimization in *Proceedings of the 2012 IEEE Congress on Evolutionary Computation* (Li Xiaodong. , ed.)(Brisbane, Australia):2333–2340 2012.
- [306] Wesolkowski Slawomir, Wojtaszek Daniel, Willick Kyle. Multi-objective Optimization of the Fleet Mix Problem Using the SaFER Model in *Proceedings of the 2012 IEEE Congress on Evolutionary Computation* (Li Xiaodong. , ed.)(Brisbane, Australia):2341–2348 2012.
- [307] Tsuji Miwako, Sato Mitsuhsa, Tanabe Akifumi, Inagaki Yuji, Hashimoto Tetsuo. An Asynchronous Parallel Genetic Algorithm for the Maximum Likelihood Phylogenetic Tree Search in *Proceedings of the 2012 IEEE Congress on Evolutionary Computation* (Li Xiaodong. , ed.)(Brisbane, Australia):2349–2356 2012.
- [308] Yusoh Zeratul Mohd, Tang Maolin. Clustering Composite SaaS Components in Cloud Computing using a Grouping Genetic Algorithm in *Proceedings of the 2012 IEEE Congress on Evolutionary Computation* (Li Xiaodong. , ed.)(Brisbane, Australia):2357–2364 2012.
- [309] Chira Camelia, Gog Anca, Iclanzan David. Evolutionary Detection of Community Structures in Complex Networks: a New Fitness Function in *Proceedings of the 2012 IEEE Congress on Evolutionary Computation* (Li Xiaodong. , ed.)(Brisbane, Australia):2365–2372 2012.
- [310] Kim Kangil, McKay Bob (R.I), 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* (Li Xiaodong. , ed.)(Brisbane, Australia):2373–2380 2012.
- [311] Nicolau Miguel, O'Neill Michael, Brabazon Anthony. Termination in Grammatical Evolution: Grammar Design, Wrapping, and Tails in *Proceedings of the 2012 IEEE Congress on Evolutionary Computation* (Li Xiaodong. , ed.)(Brisbane, Australia):2381–2388 2012.
- [312] Hanada Yoshiko, Hosokawa Nagahiro, Ono Keiko, Muneyasu Mitsuji. Effectiveness of Multi-step Crossover Fusions in Genetic Programming in *Proceedings of the 2012 IEEE Congress on Evolutionary Computation* (Li Xiaodong. , ed.)(Brisbane, Australia):2389–2396 2012.
- [313] Rohler Antonio Bolufe, Chen Stephen. Multi-swarm hybrid for multi-modal optimization in *Proceedings of the 2012 IEEE Congress on Evolutionary Computation* (Li Xiaodong. , ed.)(Brisbane, Australia):2397–2404 2012.
- [314] Aleti Aldeida, Moser Irene, Mostaghim Sanaz. Adaptive Range Parameter Control in *Proceedings of the 2012 IEEE Congress on Evolutionary Computation* (Li Xiaodong. , ed.)(Brisbane, Australia):2405–2412 2012.
- [315] Liang J. J., X. B Mao, Qu B. Y, Niu B., Chen T. J.. Elite Multi-Group Differential Evolution in *Proceedings of the 2012 IEEE Congress on Evolutionary Computation* (Li Xiaodong. , ed.)(Brisbane, Australia):2413–2419 2012.
- [316] Knittel Anthony. Learning Feature Hierarchies under Reinforcement in *Proceedings of the 2012 IEEE Congress on Evolutionary Computation* (Li Xiaodong. , ed.)(Brisbane, Australia):2420–2427 2012.
- [317] Williams Henry, Browne Will. Integration of Learning Classifier Systems with Simultaneous Localisation and Mapping for Autonomous Robotics in *Proceedings of the 2012 IEEE Congress on Evolutionary Computation* (Li Xiaodong. , ed.)(Brisbane, Australia):2428–2435 2012.
- [318] Sengupta Abhronil, Chakraborti Tathagata, Konar Amit, Kim Eunjin, Nagar Atulya K.. An Adaptive Memetic Algorithm Using a Synergy of Differential Evolution and Learning Automata in *Proceedings of the 2012 IEEE Congress on Evolutionary Computation* (Li Xiaodong. , ed.)(Brisbane, Australia):2436–2443 2012.

- [319] Bhowmik Pavel, Rakshit Pratyusha, Konar Amit, Kim Eunjin, Nagar Atulya K.. DE-TDQL: An Adaptive Memetic Algorithm in *Proceedings of the 2012 IEEE Congress on Evolutionary Computation* (Li Xiaodong. , ed.)(Brisbane, Australia):2444–2451 2012.
- [320] Jones Gareth, Lovell Chris, Gunn Steve, Morgan Hywel, Zauner Klaus-Peter. Enabling the Discovery of Computational Characteristics of Enzyme Dynamics in *Proceedings of the 2012 IEEE Congress on Evolutionary Computation* (Li Xiaodong. , ed.)(Brisbane, Australia):2452–2459 2012.
- [321] Poon Josiah, Yin Dawei, Poon Simon, Zhang Runshun, Liu Baoyan, Sze Daniel. Co-evolution of Symptom-Herb Relationship in *Proceedings of the 2012 IEEE Congress on Evolutionary Computation* (Li Xiaodong. , ed.)(Brisbane, Australia):2460–2465 2012.
- [322] Nguyen Hien, Wood Ian. Variable selection in statistical models using population-based incremental learning with applications to genome-wide association studies in *Proceedings of the 2012 IEEE Congress on Evolutionary Computation* (Li Xiaodong. , ed.)(Brisbane, Australia):2466–2473 2012.
- [323] Sandran Thayalan, Zakaria Nordin, Pal Anindya Jyoti. Performance Profile of Some Hybrid Heuristic Search Techniques using Compiler Flag Selection as a Seed Example in *Proceedings of the 2012 IEEE Congress on Evolutionary Computation* (Li Xiaodong. , ed.)(Brisbane, Australia):2474–2478 2012.
- [324] Liu Bo, Zhang Qingfu, Fernandez Francisco V., Gielen Georges. Self-adaptive Lower Confidence Bound: A New General and Effective Prescreening Method for Gaussian Process Surrogate Model Assisted Evolutionary Algorithms in *Proceedings of the 2012 IEEE Congress on Evolutionary Computation* (Li Xiaodong. , ed.)(Brisbane, Australia):2479–2484 2012.
- [325] Couckuyt Ivo, Deschrijver Dirk, Dhaene Tom. Towards Efficient Multiobjective Optimization: Multiobjective Statistical Criteria in *Proceedings of the 2012 IEEE Congress on Evolutionary Computation* (Li Xiaodong. , ed.)(Brisbane, Australia):2485–2492 2012.
- [326] Bodas-Sagi Diego, Soltero Francisco J., Hidalgo J. Ignacio, Fernandez-Blanco Pablo, Vega Francisco Fernandez. A Technique for the optimization of the parameters of Technical Indicators with Multi-Objective Evolutionary Algorithms in *Proceedings of the 2012 IEEE Congress on Evolutionary Computation* (Li Xiaodong. , ed.)(Brisbane, Australia):2493–2500 2012.
- [327] Semenkin Eugene, Semenkina Maria. Self-configuring genetic programming algorithm with modified uniform crossover in *Proceedings of the 2012 IEEE Congress on Evolutionary Computation* (Li Xiaodong. , ed.)(Brisbane, Australia):2501–2506 2012.
- [328] Xie Feng, Song Andy, Ciesielski Vic. Event Detection in Time Series by Genetic Programming in *Proceedings of the 2012 IEEE Congress on Evolutionary Computation* (Li Xiaodong. , ed.)(Brisbane, Australia):2507–2514 2012.
- [329] Dao Ngoc Phong, Quang Uy Nguyen , Xuan Hoai Nguyen , McKay R I (Bob). Evolving Approximations for the Gaussian Q-function by Genetic Programming with Semantic Based Crossover in *Proceedings of the 2012 IEEE Congress on Evolutionary Computation* (Li Xiaodong. , ed.)(Brisbane, Australia):2515–2520 2012.
- [330] Tasgetiren M. Fatih, Bulut Onder, Fadiloglu M. Murat. A Discrete Harmony Search Algorithm for the Economic Lot Scheduling Problem with Power of Two Policy in *Proceedings of the 2012 IEEE Congress on Evolutionary Computation* (Li Xiaodong. , ed.)(Brisbane, Australia):2521–2528 2012.
- [331] Rotaru Cristian, Brudaru Octav. Multi-grid Cellular Genetic Algorithm for Optimizing Variable Ordering of ROBDDs in *Proceedings of the 2012 IEEE Congress on Evolutionary Computation* (Li Xiaodong. , ed.)(Brisbane, Australia):2529–2536 2012.
- [332] Chen Stephen, Xudiera Carlos, Montgomery James. Simulated Annealing with Threshold Convergence in *Proceedings of the 2012 IEEE Congress on Evolutionary Computation* (Li Xiaodong. , ed.)(Brisbane, Australia):2537–2543 2012.

- [333] Zhan Zhi, Zhang Jun, Shi Yu, Hai-lin Liu. A Modified Brain Storm Optimization in *Proceedings of the 2012 IEEE Congress on Evolutionary Computation* (Li Xiaodong. , ed.)(Brisbane, Australia):2544–2551 2012.
- [334] Srivastava Sanjay, Anand Yogesh. An Intelligent System to Address Occupational Health of Workers Exposed to High Risk Jobs in *Proceedings of the 2012 IEEE Congress on Evolutionary Computation* (Li Xiaodong. , ed.)(Brisbane, Australia):2552–2558 2012.
- [335] Bashir Hassan, Neville Richard. Convergence Measurement in Evolutionary Computation using Price’s Theorem in *Proceedings of the 2012 IEEE Congress on Evolutionary Computation* (Li Xiaodong. , ed.)(Brisbane, Australia):2559–2566 2012.
- [336] Paul Sandeep, Kumar Satish, Singh Lotika. Novel Hybrid Compact Genetic Algorithm for Simultaneous Structure and Parameter Learning of Neural Networks in *Proceedings of the 2012 IEEE Congress on Evolutionary Computation* (Li Xiaodong. , ed.)(Brisbane, Australia):2567–2572 2012.
- [337] Lopez Oscar J. Romero, de Antonio Angelica. Evolving the way of doing the right thing in *Proceedings of the 2012 IEEE Congress on Evolutionary Computation* (Li Xiaodong. , ed.)(Brisbane, Australia):2573–2580 2012.
- [338] Rabelo Ricardo, Fernandes Ricardo, Silva Ivan. Operational Planning of Hydrothermal Systems Based on a Fuzzy-PSO Approach in *Proceedings of the 2012 IEEE Congress on Evolutionary Computation* (Li Xiaodong. , ed.)(Brisbane, Australia):2581–2588 2012.
- [339] Yang Li. Adaptive Learning Evaluation Model For Evolutionary Art in *Proceedings of the 2012 IEEE Congress on Evolutionary Computation* (Li Xiaodong. , ed.)(Brisbane, Australia):2589–2596 2012.
- [340] Huang Hsueh En, Ong Yew-Soon, Chen Xianshun. Autonomous Flock Brush for Non-Photorealistic Rendering in *Proceedings of the 2012 IEEE Congress on Evolutionary Computation* (Li Xiaodong. , ed.)(Brisbane, Australia):2597–2604 2012.
- [341] Unemi Tatsuo. SBart4 for an Automatic Evolutionary Art in *Proceedings of the 2012 IEEE Congress on Evolutionary Computation* (Li Xiaodong. , ed.)(Brisbane, Australia):2605–2612 2012.
- [342] Seah Chun-Wei, Ong Yew-Soon, Tsang Ivor W., Jiang Siwei. Pareto Rank Learning in Multi-objective Evolutionary Algorithms in *Proceedings of the 2012 IEEE Congress on Evolutionary Computation* (Li Xiaodong. , ed.)(Brisbane, Australia):2613–2620 2012.
- [343] Lepagnot Julien, Nakib Amir, Oulhadj Hamouche, Siarry Patrick. A Dynamic Multi-Agent Algorithm Applied to Challenging Benchmark Problems in *Proceedings of the 2012 IEEE Congress on Evolutionary Computation* (Li Xiaodong. , ed.)(Brisbane, Australia):2621–2628 2012.
- [344] Hui Sheldon, Suganthan Ponnuthurai Nagaratnam. Ensemble Differential Evolution with Dynamic Subpopulations and Adaptive Clearing for solving Dynamic Optimization Problems in *Proceedings of the 2012 IEEE Congress on Evolutionary Computation* (Li Xiaodong. , ed.)(Brisbane, Australia):2629–2636 2012.
- [345] Dahlstedt Palle. Turn-Based Evolution as a Proposed Implementation of Artistic Creative Process in *Proceedings of the 2012 IEEE Congress on Evolutionary Computation* (Li Xiaodong. , ed.)(Brisbane, Australia):2637–2643 2012.
- [346] Liu Chien-Hung, Ting Chuan-Kang. Polyphonic Accompaniment Using Genetic Algorithm with Music Theory in *Proceedings of the 2012 IEEE Congress on Evolutionary Computation* (Li Xiaodong. , ed.)(Brisbane, Australia):2644–2650 2012.
- [347] Asafuddoula Md, Ray Tapabrata, Sarker Ruhul, Alam Khairul. An Adaptive Constraint Handling Approach Embedded MOEA/D in *Proceedings of the 2012 IEEE Congress on Evolutionary Computation* (Li Xiaodong. , ed.)(Brisbane, Australia):2651–2658 2012.



- [348] Puris Amilkar, Bello Rafael, Molina Daniel, Herrera Francisco. Optimising real parameters using the information of a mesh of solutions: VMO algorithm in *Proceedings of the 2012 IEEE Congress on Evolutionary Computation* (Li Xiaodong. , ed.)(Brisbane, Australia):2659–2665 2012.
- [349] Jiang Yunzhi, Tsai Pohsiang, Hao Zhifeng, Cao Longbing. A Novel Auto-Parameters Selection Process For Image Segmentation in *Proceedings of the 2012 IEEE Congress on Evolutionary Computation* (Li Xiaodong. , ed.)(Brisbane, Australia):2666–2672 2012.
- [350] Sun Xiaoyan, Yang Lei, Gong Dunwei, Li Ming. Interactive Genetic Algorithm Assisted with Group Decision Making-based Collective Intelligence in *Proceedings of the 2012 IEEE Congress on Evolutionary Computation* (Li Xiaodong. , ed.)(Brisbane, Australia):2673–2680 2012.
- [351] Zhang Xiangrong, Zhang Erlei, Li Runxin. Optimized Feature Extraction by Immune Clonal Selection Algorithm in *Proceedings of the 2012 IEEE Congress on Evolutionary Computation* (Li Xiaodong. , ed.)(Brisbane, Australia):2681–2686 2012.
- [352] Meiguins Aruanda S. G., Limao Roberto C., Meiguins Bianchi S., Sousa Junior Samuel F., Freitas Alex A.. AutoClustering - An Estimation of Distribution Algorithm for the Automatic Generation of Clustering Algorithms in *Proceedings of the 2012 IEEE Congress on Evolutionary Computation* (Li Xiaodong. , ed.)(Brisbane, Australia):2687–2693 2012.
- [353] Daniels Benjamin, Corns Steven, Cudney Elizabeth. A Comparison of Representations for the Prediction of Ground-Level Ozone Concentration in *Proceedings of the 2012 IEEE Congress on Evolutionary Computation* (Li Xiaodong. , ed.)(Brisbane, Australia):2694–2701 2012.
- [354] Fu Wenlong, Johnston Mark, Zhang Mengjie. Genetic Programming for Edge Detection via Balancing Individual Training Images in *Proceedings of the 2012 IEEE Congress on Evolutionary Computation* (Li Xiaodong. , ed.)(Brisbane, Australia):2702–2709 2012.
- [355] Abdulhamid Fahmi, Song Andy, Neshatian Kourosh, Zhang Mengjie. Evolving Genetic Programming Classifiers with Loop Structures in *Proceedings of the 2012 IEEE Congress on Evolutionary Computation* (Li Xiaodong. , ed.)(Brisbane, Australia):2710–2717 2012.
- [356] Sandin Isac, Andrade Guilherme, Viegas Felipe, et al. Aggressive and Effective Feature Selection using Genetic Programming in *Proceedings of the 2012 IEEE Congress on Evolutionary Computation* (Li Xiaodong. , ed.)(Brisbane, Australia):2718–2725 2012.
- [357] Helbig Marde, Engelbrecht Andries. Analyses of Guide Update Approaches for Vector Evaluated Particle Swarm Optimisation on Dynamic Multi-Objective Optimisation Problems in *Proceedings of the 2012 IEEE Congress on Evolutionary Computation* (Li Xiaodong. , ed.)(Brisbane, Australia):2726–2733 2012.
- [358] Li Changhe, Yang Shengxiang, Yang Ming. Maintaining Diversity by Clustering in Dynamic Environments in *Proceedings of the 2012 IEEE Congress on Evolutionary Computation* (Li Xiaodong. , ed.)(Brisbane, Australia):2734–2741 2012.
- [359] Duhain Julien, Engelbrecht Andries. Towards a More Complete Classification System for Dynamically Changing Environments in *Proceedings of the 2012 IEEE Congress on Evolutionary Computation* (Li Xiaodong. , ed.)(Brisbane, Australia):2742–2749 2012.
- [360] Hsu Wei-Huai, Chiang Tsung-Che. A Multiobjective Evolutionary Algorithm with Enhanced Reproduction Operators for the Vehicle Routing Problem with Time Windows in *Proceedings of the 2012 IEEE Congress on Evolutionary Computation* (Li Xiaodong. , ed.)(Brisbane, Australia):2750–2757 2012.
- [361] Liao Xin-Lan, Ting Chuan-Kang. Evolutionary Algorithms Using Adaptive Mutation for the Selective Pickup and Delivery Problem in *Proceedings of the 2012 IEEE Congress on Evolutionary Computation* (Li Xiaodong. , ed.)(Brisbane, Australia):2758–2765 2012.
- [362] Mavrovouniotis Michalis, Yang Shengxiang. Ant colony optimization with memory-based immigrants for the dynamic vehicle routing problem in *Proceedings of the 2012 IEEE Congress on Evolutionary Computation* (Li Xiaodong. , ed.)(Brisbane, Australia):2766–2773 2012.

- [363] Baydin Atilim Gunes, de Mantaras Ramon Lopez. Evolution of Ideas: A Novel Memetic Algorithm Based on Semantic Networks in *Proceedings of the 2012 IEEE Congress on Evolutionary Computation* (Li Xiaodong. , ed.)(Brisbane, Australia):2774–2781 2012.
- [364] Bui Vinh, Bender Axel, Abbass Hussein. An Expressive GL-2 Grammar for Representing Story-like Scenarios in *Proceedings of the 2012 IEEE Congress on Evolutionary Computation* (Li Xiaodong. , ed.)(Brisbane, Australia):2782–2789 2012.
- [365] Montgomery James, Chen Stephen. A Simple Strategy for Maintaining Diversity and Reducing Crowding in Differential Evolution in *Proceedings of the 2012 IEEE Congress on Evolutionary Computation* (Li Xiaodong. , ed.)(Brisbane, Australia):2790–2797 2012.
- [366] Huo Chih-Li, Lien Yean-Shain, Yu Yu-Hsiang, Sun Tsung-Ying. Effectively Multi-Swarm Sharing Management for Differential Evolution in *Proceedings of the 2012 IEEE Congress on Evolutionary Computation* (Li Xiaodong. , ed.)(Brisbane, Australia):2798–2805 2012.
- [367] Koloseni David, Lampinen Jouni, Luukka Pasi. Differential Evolution Classifier with Optimized Distance Measures from a Pool of Distances in *Proceedings of the 2012 IEEE Congress on Evolutionary Computation* (Li Xiaodong. , ed.)(Brisbane, Australia):2806–2812 2012.
- [368] Feng Liang, Ong Yew Soon, Tsang Ivor, Tan Ah Hwee. An Evolutionary Search Paradigm that Learns with Past Experiences in *Proceedings of the 2012 IEEE Congress on Evolutionary Computation* (Li Xiaodong. , ed.)(Brisbane, Australia):2813–2820 2012.
- [369] Lin Jih-Yiing, Chen Ying. When and What Kind of Memetic Algorithms Perform Well in *Proceedings of the 2012 IEEE Congress on Evolutionary Computation* (Li Xiaodong. , ed.)(Brisbane, Australia):2821–2828 2012.
- [370] Bashir Hassan, Neville Richard. A Hybrid Evolutionary Computation Algorithm for Global Optimization in *Proceedings of the 2012 IEEE Congress on Evolutionary Computation* (Li Xiaodong. , ed.)(Brisbane, Australia):2829–2836 2012.
- [371] Zhu Lin, Cao Longbing, Yang Jie. Multiobjective Evolutionary Algorithm-Based Soft Subspace Clustering in *Proceedings of the 2012 IEEE Congress on Evolutionary Computation* (Li Xiaodong. , ed.)(Brisbane, Australia):2837–2844 2012.
- [372] Vahdat Ali, Heywood Malcolm I., Zincir-Heywood A. Nur. Symbiotic Evolutionary Subspace Clustering in *Proceedings of the 2012 IEEE Congress on Evolutionary Computation* (Li Xiaodong. , ed.)(Brisbane, Australia):2845–2852 2012.
- [373] Segretier Wilfried, Clergue Manuel, Collard Martine, Izquierdo Luis. An evolutionary data mining approach on hydrological data with classifier juries in *Proceedings of the 2012 IEEE Congress on Evolutionary Computation* (Li Xiaodong. , ed.)(Brisbane, Australia):2853–2860 2012.
- [374] Zhao Shi-Zheng, Suganthan P. N.. Comprehensive Comparison of Convergence Performance of Optimization Algorithms based on Nonparametric Statistical Tests in *Proceedings of the 2012 IEEE Congress on Evolutionary Computation* (Li Xiaodong. , ed.)(Brisbane, Australia):2861–2867 2012.
- [375] Brest Janez, Boskovic Borko, Zamuda Ales, Fister Iztok, Maucec Mirjam Sepesy. Self-Adaptive Differential Evolution Algorithm with a Small and Varying Population Size in *Proceedings of the 2012 IEEE Congress on Evolutionary Computation* (Li Xiaodong. , ed.)(Brisbane, Australia):2868–2875 2012.
- [376] Takahama Tetsuyuki, Sakai Setsuko. Large Scale Optimization by Differential Evolution with Landscape Modality Detection and a Diversity Archive in *Proceedings of the 2012 IEEE Congress on Evolutionary Computation* (Li Xiaodong. , ed.)(Brisbane, Australia):2876–2883 2012.
- [377] Kumar Pravesh, Pant Millie. Enhanced Mutation Strategy for Differential Evolution in *Proceedings of the 2012 IEEE Congress on Evolutionary Computation* (Li Xiaodong. , ed.)(Brisbane, Australia):2884–2889 2012.

- [378] Chen Ming-Liang, Wang Feng-Sheng. Fuzzy optimization for a batch simultaneous saccharification and co-fermentation process by hybrid differential evolution in *Proceedings of the 2012 IEEE Congress on Evolutionary Computation* (Li Xiaodong. , ed.)(Brisbane, Australia):2890–2897 2012.
- [379] Ramos Josafath Espinosa, Vazquez Roberto A.. A New Objective Function to build Seismic Networks using Differential Evolution in *Proceedings of the 2012 IEEE Congress on Evolutionary Computation* (Li Xiaodong. , ed.)(Brisbane, Australia):2898–2904 2012.
- [380] Zhu Zexuan, Liu Wenmin, Ji Zhen, He Shan. Memetic Clustering Based on Particle Swarm Optimizer and K-Means in *Proceedings of the 2012 IEEE Congress on Evolutionary Computation* (Li Xiaodong. , ed.)(Brisbane, Australia):2905–2910 2012.
- [381] Le Minh Nghia, Ong Yew Soon, Menzel Stefan, Seah Chun-Wei, Sendhoff Bernhard. Multi Co-objective Evolutionary Optimization: Cross Surrogate Augmentation for Computationally Expensive Problems in *Proceedings of the 2012 IEEE Congress on Evolutionary Computation* (Li Xiaodong. , ed.)(Brisbane, Australia):2911–2918 2012.
- [382] Liang J. J., Ma S. T., Qu B. Y, Niu Ben. Strategy Adaptative Memetic Crowding Differential Evolution For Multimodal Optimization in *Proceedings of the 2012 IEEE Congress on Evolutionary Computation* (Li Xiaodong. , ed.)(Brisbane, Australia):2919–2925 2012.
- [383] Hancer Emrah, Ozturk Celal, Karaboga Dervis. Artificial Bee Colony Based Image Clustering in *Proceedings of the 2012 IEEE Congress on Evolutionary Computation* (Li Xiaodong. , ed.)(Brisbane, Australia):2926–2930 2012.
- [384] Akay Bahriye, Kirmizi Ibrahim. Structural Optimization of Wavelet Packets using Swarm Algorithms in *Proceedings of the 2012 IEEE Congress on Evolutionary Computation* (Li Xiaodong. , ed.)(Brisbane, Australia):2931–2935 2012.
- [385] Chen Angela Hsiang-Ling, Liang Yun-Chia, Liu Chia-Chien. An Artificial Bee Colony Algorithm for the Cardinality-Constrained Portfolio Optimization Problems in *Proceedings of the 2012 IEEE Congress on Evolutionary Computation* (Li Xiaodong. , ed.)(Brisbane, Australia):2936–2943 2012.
- [386] Beer Christopher, Hendtlass Tim, Montgomery James. Improving Exploration in Ant Colony Optimisation with Antennation in *Proceedings of the 2012 IEEE Congress on Evolutionary Computation* (Li Xiaodong. , ed.)(Brisbane, Australia):2944–2951 2012.
- [387] Conti Cassio Rodrigo, Roisenberg Mauro, Neto Guenther Schwedersky. ACOR-V - an Algorithm that Incorporates the Visibility Heuristic to the ACO in Continuous Domain in *Proceedings of the 2012 IEEE Congress on Evolutionary Computation* (Li Xiaodong. , ed.)(Brisbane, Australia):2952–2959 2012.
- [388] Zulvia Ferani E., Kuo R.J., Hu Tung-Lai. Solving CVRP with Time Window, Fuzzy Travel Time and Demand Via A Hybrid Ant Colony Optimization and Genetic Algoritlm in *Proceedings of the 2012 IEEE Congress on Evolutionary Computation* (Li Xiaodong. , ed.)(Brisbane, Australia):2960–2967 2012.
- [389] Pei Yan, Takagi Hideyuki. Fourier Analysis of the Fitness Landscape for Evolutionary Search Acceleration in *Proceedings of the 2012 IEEE Congress on Evolutionary Computation* (Li Xiaodong. , ed.)(Brisbane, Australia):2968–2974 2012.
- [390] Chow Chi Kin, Yuen Shiu Yin. Continuous Non-revisiting Genetic Algorithm with Overlapped Search Sub-Region in *Proceedings of the 2012 IEEE Congress on Evolutionary Computation* (Li Xiaodong. , ed.)(Brisbane, Australia):2975–2982 2012.
- [391] Yu James J.Q., Lam Albert Y.S., Li Victor O.K.. Real-Coded Chemical Reaction Optimization with Different Perturbation Functions in *Proceedings of the 2012 IEEE Congress on Evolutionary Computation* (Li Xiaodong. , ed.)(Brisbane, Australia):2983–2990 2012.

- [392] Zhang Lifeng, He Rong, Yan Mengling. Heterogeneous double populations based hybrid genetic algorithm design for training feedforward neural networks in *Proceedings of the 2012 IEEE Congress on Evolutionary Computation* (Li Xiaodong. , ed.)(Brisbane, Australia):2991–2998 2012.
- [393] Pisani Paulo Henrique, Lorena Ana Carolina. Evolutionary Neural Networks Applied to Keystroke Dynamics: Genetic and Immune Based in *Proceedings of the 2012 IEEE Congress on Evolutionary Computation* (Li Xiaodong. , ed.)(Brisbane, Australia):2999–3006 2012.
- [394] Yuwono Mitchell, Su Steven W., Moulton Bruce, Nguyen Hung. Method for increasing the computation speed of an unsupervised learning approach for data clustering in *Proceedings of the 2012 IEEE Congress on Evolutionary Computation* (Li Xiaodong. , ed.)(Brisbane, Australia):3007–3014 2012.
- [395] Fister Iztok, Fister, Jr. Iztok, Brest Janez, Zumer Viljem. Memetic Artificial Bee Colony Algorithm for Large-Scale Global Optimization in *Proceedings of the 2012 IEEE Congress on Evolutionary Computation* (Li Xiaodong. , ed.)(Brisbane, Australia):3015–3022 2012.
- [396] Cheng Shi, Shi Yuhui, Qin Quande. Dynamical Exploitation Space Reduction in Particle Swarm Optimization for Solving Large Scale Problems in *Proceedings of the 2012 IEEE Congress on Evolutionary Computation* (Li Xiaodong. , ed.)(Brisbane, Australia):3023–3030 2012.
- [397] Zhang Kaibo, Li Bin. Cooperative Coevolution with Global Search for Large Scale Global Optimization in *Proceedings of the 2012 IEEE Congress on Evolutionary Computation* (Li Xiaodong. , ed.)(Brisbane, Australia):3031–3037 2012.
- [398] Karabulut Korhan, Tasgetiren M. Fatih. A Discrete Artificial Bee Colony Algorithm for the Traveling Salesman Problem with Time Windows in *Proceedings of the 2012 IEEE Congress on Evolutionary Computation* (Li Xiaodong. , ed.)(Brisbane, Australia):3038–3044 2012.
- [399] Sharma Tarun Kumar, Pant Millie, Bansal Jagdish Chand. Artificial Bee Colony with Mean Mutation Operator for Better Exploitation in *Proceedings of the 2012 IEEE Congress on Evolutionary Computation* (Li Xiaodong. , ed.)(Brisbane, Australia):3045–3051 2012.
- [400] El-Abd Mohammed. Generalized Opposition-Based Artificial Bee Colony Algorithm in *Proceedings of the 2012 IEEE Congress on Evolutionary Computation* (Li Xiaodong. , ed.)(Brisbane, Australia):3052–3055 2012.
- [401] Esteves Vasco M.C., Sousa Joao M.C., Silva Carlos A., Pova Ana P. B., Gomes Maria Isabel. SCant-Design: Closed Loop Supply Chain Design using Ant Colony Optimization in *Proceedings of the 2012 IEEE Congress on Evolutionary Computation* (Li Xiaodong. , ed.)(Brisbane, Australia):3056–3063 2012.
- [402] Kou Jialiang, Xiong Shengwu, Fang Zhixiang, Zong Xinlu, Bian Feifei. Positive Point Charge Potential Field based ACO algorithm for Multi-objective Evacuation Routing Optimization Problem in *Proceedings of the 2012 IEEE Congress on Evolutionary Computation* (Li Xiaodong. , ed.)(Brisbane, Australia):3064–3071 2012.
- [403] Wang Wen, Ling Ying, Zhang Jun, Wang Yu. Ant Colony Optimization Algorithm for Analog Filter Design in *Proceedings of the 2012 IEEE Congress on Evolutionary Computation* (Li Xiaodong. , ed.)(Brisbane, Australia):3072–3077 2012.
- [404] Bukhtoyarov Vladimir, Semenkin Eugene. Neural Networks Ensemble Approach for Detecting Attacks in Computer Networks in *Proceedings of the 2012 IEEE Congress on Evolutionary Computation* (Li Xiaodong. , ed.)(Brisbane, Australia):3078–3083 2012.
- [405] Lam Albert Y.S., Li Victor O.K., Wei Zhao. Chemical Reaction Optimization for the Fuzzy Rule Learning Problem in *Proceedings of the 2012 IEEE Congress on Evolutionary Computation* (Li Xiaodong. , ed.)(Brisbane, Australia):3084–3091 2012.

- [406] Sergeevich Alexandr, Bartlett Stephen. Optimizing qubit Hamiltonian parameter estimation algorithm using PSO in *Proceedings of the 2012 IEEE Congress on Evolutionary Computation* (Li Xiaodong. , ed.)(Brisbane, Australia):3092–3094 2012.
- [407] Liu Wenmin, Ji Zhen, Zhu Zexuan, He Shan. Survival Analysis of Gene Expression Data Using PSO Based Radial Basis Function Networks in *Proceedings of the 2012 IEEE Congress on Evolutionary Computation* (Li Xiaodong. , ed.)(Brisbane, Australia):3095–3099 2012.
- [408] Hsiao Ping-Che, Chiang Tsung-Che, Fu Li-Chen. Particle Swarm Optimization for the Minimum Energy Broadcast Problem in Wireless Ad-Hoc Networks in *Proceedings of the 2012 IEEE Congress on Evolutionary Computation* (Li Xiaodong. , ed.)(Brisbane, Australia):3100–3107 2012.
- [409] Ahmed Kattan, Shaheen Fatima. PSO as a Meta-Search for Hyper-GA System to Evolve Optimal Agendas for Sequential Multi-Issue Negotiation in *Proceedings of the 2012 IEEE Congress on Evolutionary Computation* (Li Xiaodong. , ed.)(Brisbane, Australia):3108–3115 2012.
- [410] Jianchao Fan, Min Han. Nonlinear Model Predictive Control of Ball-Plate System based on Gaussian Particle Swarm Optimization in *Proceedings of the 2012 IEEE Congress on Evolutionary Computation* (Li Xiaodong. , ed.)(Brisbane, Australia):3116–3121 2012.
- [411] Richter Jan, Moser Irene. A Distributed Multiobjective Approach to Negotiations in Semi-Competitive Environments in *Proceedings of the 2012 IEEE Congress on Evolutionary Computation* (Li Xiaodong. , ed.)(Brisbane, Australia):3122–3128 2012.
- [412] Zhou Aimin, Zhang Qingfu, Zhang Guixu. A Multiobjective Evolutionary Algorithm based on Decomposition and Probability Model in *Proceedings of the 2012 IEEE Congress on Evolutionary Computation* (Li Xiaodong. , ed.)(Brisbane, Australia):3129–3136 2012.
- [413] Datta Rituparna, Deb Kalyanmoy. An Adaptive Normalization based Constrained Handling Methodology with Hybrid Bi-Objective and Penalty Function Approach in *Proceedings of the 2012 IEEE Congress on Evolutionary Computation* (Li Xiaodong. , ed.)(Brisbane, Australia):3137–3144 2012.
- [414] Menchaca-Mendez Adriana, Coello Coello Carlos A.. Solving Multi-Objective Optimization Problems using Differential Evolution and a Maximin Selection Criterion in *Proceedings of the 2012 IEEE Congress on Evolutionary Computation* (Li Xiaodong. , ed.)(Brisbane, Australia):3145–3152 2012.
- [415] Sun Xiao, Chen Shan, Ma Xiao. Semi-supervised Ranking SVM-assisted IGA with Hierarchical Evaluations in *Proceedings of the 2012 IEEE Congress on Evolutionary Computation* (Li Xiaodong. , ed.)(Brisbane, Australia):3153–3160 2012.
- [416] Kattan Ahmed, Galvan Edgar. Evolving Radial Basis Function Networks via GP for Estimating Fitness Values using Surrogate Models in *Proceedings of the 2012 IEEE Congress on Evolutionary Computation* (Li Xiaodong. , ed.)(Brisbane, Australia):3161–3167 2012.
- [417] Gong Dunwei, Yang Lei, Sun Xiaoyan, Li Ming. Applying knowledge of users with similar preference to construct surrogate models of IGAs in *Proceedings of the 2012 IEEE Congress on Evolutionary Computation* (Li Xiaodong. , ed.)(Brisbane, Australia):3168–3175 2012.
- [418] Cheng Shi, Shi Yuhui, Qin Quande. Particle Swarm Optimization based Semi-Supervised Learning on Chinese Text Categorization in *Proceedings of the 2012 IEEE Congress on Evolutionary Computation* (Li Xiaodong. , ed.)(Brisbane, Australia):3176–3183 2012.
- [419] Alghamdi Hanan, Tang Lilian, Alshomrani Saleh. Hybrid ACO and TOFA Feature Selection Approach for Text Classification in *Proceedings of the 2012 IEEE Congress on Evolutionary Computation* (Li Xiaodong. , ed.)(Brisbane, Australia):3184–3189 2012.
- [420] Tan Swee Chuan. Simplifying and Improving Swarm-based Clustering in *Proceedings of the 2012 IEEE Congress on Evolutionary Computation* (Li Xiaodong. , ed.)(Brisbane, Australia):3190–3197 2012.

- [421] Wu Yanghui, McCall John, Corne David, Regnier-Coudert Olivier. Landscape Analysis for Hyperheuristic Bayesian Network Structure Learning on Unseen Problems in *Proceedings of the 2012 IEEE Congress on Evolutionary Computation* (Li Xiaodong. , ed.)(Brisbane, Australia):3198–3205 2012.
- [422] Santana Roberto, Mendiburu Alexander, Lozano Jose A.. Structural transfer using EDAs: An application to multi-marker tagging SNP selection in *Proceedings of the 2012 IEEE Congress on Evolutionary Computation* (Li Xiaodong. , ed.)(Brisbane, Australia):3206–3213 2012.
- [423] Haynes David, Corns Steven, Venayagamoorthy Ganesh. An Exponential Moving Average Algorithm: Evolutionary Algorithms Applied to Sudoku Puzzles in *Proceedings of the 2012 IEEE Congress on Evolutionary Computation* (Li Xiaodong. , ed.)(Brisbane, Australia):3214–3221 2012.
- [424] Nguyen Minh Van, Kirley Michael, Garcia-Flores Rodolfo. Community Evolution in A Scientific Collaboration Network in *Proceedings of the 2012 IEEE Congress on Evolutionary Computation* (Li Xiaodong. , ed.)(Brisbane, Australia):3222–3229 2012.
- [425] Shelokar Prakash, Quirin Arnaud, Cordon Oscar. Automatic Extraction of Common Research Areas in World Scientograms using the Multiobjective Subdue Algorithm in *Proceedings of the 2012 IEEE Congress on Evolutionary Computation* (Li Xiaodong. , ed.)(Brisbane, Australia):3230–3237 2012.
- [426] Liang Yun-Chia, Juarez Josue Rodolfo Cuevas. Multilevel Image Thresholding Using Relative Entropy and Virus Optimization Algorithm in *Proceedings of the 2012 IEEE Congress on Evolutionary Computation* (Li Xiaodong. , ed.)(Brisbane, Australia):3238–3245 2012.
- [427] Siriwardana Jayantha, Halgamuge Saman. Fast Shortest Path Optimization Inspired by Shuttle Streaming of Physarum Polycephalum in *Proceedings of the 2012 IEEE Congress on Evolutionary Computation* (Li Xiaodong. , ed.)(Brisbane, Australia):3246–3253 2012.
- [428] Cao Hongqing, Recknagel Friedrich, Orr Philip T.. The Experimental Study of Population-based Parameter Optimization Algorithms on Rule-based Ecological Modelling in *Proceedings of the 2012 IEEE Congress on Evolutionary Computation* (Li Xiaodong. , ed.)(Brisbane, Australia):3254–3261 2012.
- [429] Wei Xin, Fujimura Shigeru. Parallel Quantum Evolutionary Algorithms with Client-Server Model for Multi-Objective Optimization on Discrete Problems in *Proceedings of the 2012 IEEE Congress on Evolutionary Computation* (Li Xiaodong. , ed.)(Brisbane, Australia):3262–3269 2012.
- [430] Pace Shannon, Cain Andrew, Woodward Clinton. A Consolidated Model of Particle Swarm Optimisation Variants in *Proceedings of the 2012 IEEE Congress on Evolutionary Computation* (Li Xiaodong. , ed.)(Brisbane, Australia):3270–3277 2012.
- [431] Kelly Stephen, Lichodziejewski Peter, Heywood Malcolm I.. On Run Time Libraries and Hierarchical Symbiosis in *Proceedings of the 2012 IEEE Congress on Evolutionary Computation* (Li Xiaodong. , ed.)(Brisbane, Australia):3278–3285 2012.
- [432] Gong Tao, Shuai Lan. A Cross-Model Study on the Effect of Power-Laws on Language Evolution in *Proceedings of the 2012 IEEE Congress on Evolutionary Computation* (Li Xiaodong. , ed.)(Brisbane, Australia):3286–3293 2012.
- [433] Santos Thiago, Takahashi Ricardo H. C., Moreira Gladston J. P.. A CMA Stochastic Differential Equation Approach for Many-Objective Optimization in *Proceedings of the 2012 IEEE Congress on Evolutionary Computation* (Li Xiaodong. , ed.)(Brisbane, Australia):3294–3299 2012.
- [434] Kafafy Ahmed, Bounekkar Ahmed, Bonnevey Stephane. Hybrid Metaheuristics based on MOEA/D for 0/1 Multiobjective Knapsack Problems: A comparative study in *Proceedings of the 2012 IEEE Congress on Evolutionary Computation* (Li Xiaodong. , ed.)(Brisbane, Australia):3300–3307 2012.

- [435] Li Yangyang, Chen Jing, Liu Ruochen, Wu Jianshe. A Spectral Clustering-Based Adaptive Hybrid Multi-Objective Harmony Search Algorithm for Community Detection in *Proceedings of the 2012 IEEE Congress on Evolutionary Computation* (Li Xiaodong. , ed.)(Brisbane, Australia):3308–3315 2012.
- [436] Hsiao Ping-Che, Chiang Tsung-Che, Fu Li-Chen. A VNS-based Hyper-heuristic with Adaptive Computational Budget of Local Search in *Proceedings of the 2012 IEEE Congress on Evolutionary Computation* (Li Xiaodong. , ed.)(Brisbane, Australia):3316–3323 2012.
- [437] Grobler Jacomine, Engelbrecht Andries P., Kendall Graham, Yadavalli Sarma. Investigating the Use of Local Search for Improving Meta-Hyper-Heuristic Performance in *Proceedings of the 2012 IEEE Congress on Evolutionary Computation* (Li Xiaodong. , ed.)(Brisbane, Australia):3324–3331 2012.
- [438] Nguyen Su, Zhang Mengjie, Johnston Mark, Chen Tan Kay. A Coevolution Genetic Programming Method to Evolve Scheduling Policies for Dynamic Multi-objective Job Shop Scheduling Problems in *Proceedings of the 2012 IEEE Congress on Evolutionary Computation* (Li Xiaodong. , ed.)(Brisbane, Australia):3332–3339 2012.
- [439] Sano Ryosuke, Shindo Takuya, Jin’no Kenya, Saito Toshimichi. PSO-based Multiple Optima Search Systems with Switched Topology in *Proceedings of the 2012 IEEE Congress on Evolutionary Computation* (Li Xiaodong. , ed.)(Brisbane, Australia):3340–3346 2012.
- [440] Gong Maoguo, Cai Qing, Li Yangyang, Ma Jingjing. An Improved Memetic Algorithm for Community Detection in Complex Networks in *Proceedings of the 2012 IEEE Congress on Evolutionary Computation* (Li Xiaodong. , ed.)(Brisbane, Australia):3347–3354 2012.
- [441] Liu Ruochen, Liu Yong, Li Yangyang. An Improved Method for Multi-objective Clustering Ensemble Algorithm in *Proceedings of the 2012 IEEE Congress on Evolutionary Computation* (Li Xiaodong. , ed.)(Brisbane, Australia):3355–3362 2012.
- [442] Maia Renato, De Castro Leandro, Caminhas Walmir. Bee Colonies as Model for Multimodal Continuous Optimization: The OptBees Algorithm in *Proceedings of the 2012 IEEE Congress on Evolutionary Computation* (Li Xiaodong. , ed.)(Brisbane, Australia):3363–3370 2012.
- [443] Caamano Pilar, Bellas Francisco, Becerra Jose A., Diaz Vicente, Duro Richard J.. Experimental Analysis of the Relevance of Fitness Landscape Topographical Characterization in *Proceedings of the 2012 IEEE Congress on Evolutionary Computation* (Li Xiaodong. , ed.)(Brisbane, Australia):3371–3378 2012.
- [444] Si Chengyong, Wang Lei, Wu Qidi. Mapping Constrained Optimization Problems to Algorithms and Constraint Handling Techniques in *Proceedings of the 2012 IEEE Congress on Evolutionary Computation* (Li Xiaodong. , ed.)(Brisbane, Australia):3379–3386 2012.
- [445] Ali Mostafa, Salhieh Ayad, Reynolds Robert. Socio-Cultural Evolution via Neighborhood restructuring in Intricate Multi-Layered Networks in *Proceedings of the 2012 IEEE Congress on Evolutionary Computation* (Li Xiaodong. , ed.)(Brisbane, Australia):3387–3394 2012.
- [446] Reynolds Robert, Gawasmeh Yousef. Evolving Heterogeneous Social Fabrics for the Solution of Real-Valued Optimization Problems using Cultural Algorithms in *Proceedings of the 2012 IEEE Congress on Evolutionary Computation* (Li Xiaodong. , ed.)(Brisbane, Australia):3395–3402 2012.
- [447] Ashlock Daniel, Ashlock Wendy. Impact of Regulatory Genes On Optimization Behavior in *Proceedings of the 2012 IEEE Congress on Evolutionary Computation* (Li Xiaodong. , ed.)(Brisbane, Australia):3403–3410 2012.
- [448] Dower Steve. Automatic Implementation of Evolutionary Algorithms on GPUs using ESDL in *Proceedings of the 2012 IEEE Congress on Evolutionary Computation* (Li Xiaodong. , ed.)(Brisbane, Australia):3411–3418 2012.

- [449] Regnier-Coudert Olivier, McCall John. An Island Model Genetic Algorithm for Bayesian Network Structure Learning in *Proceedings of the 2012 IEEE Congress on Evolutionary Computation* (Li Xiaodong. , ed.)(Brisbane, Australia):3419–3426 2012.
- [450] Chakraborty Uday, Das Sajal, Abbott Travis. Energy-Efficient Routing in Hierarchical Wireless Sensor Networks Using Differential-Evolution-Based Memetic Algorithm in *Proceedings of the 2012 IEEE Congress on Evolutionary Computation* (Li Xiaodong. , ed.)(Brisbane, Australia):3427–3434 2012.
- [451] Huang Deqing, Xu Jian-Xin, Deng Xin, Venkataramanan Venkatakrishnan, Tuong Huynh The Cat. GA Based High-Order Peak Filter Design With Application to Compensation of Contact-Induced Vibration in HDD Servo Systems in *Proceedings of the 2012 IEEE Congress on Evolutionary Computation* (Li Xiaodong. , ed.)(Brisbane, Australia):3435–3442 2012.
- [452] Wang Lin, Yang Bo, Chen Yuehui, Zhao Xiuyang. Predict the Hydration of Portland Cement using Differential Evolution in *Proceedings of the 2012 IEEE Congress on Evolutionary Computation* (Li Xiaodong. , ed.)(Brisbane, Australia):3443–3447 2012.
- [453] Seredynski Marcin, Danoy Gregoire, Masoud Tabatabaei, Bouvry Pascal, Yoann Pigne. Generation of Realistic Mobility for VANETs Using Genetic Algorithms in *Proceedings of the 2012 IEEE Congress on Evolutionary Computation* (Li Xiaodong. , ed.)(Brisbane, Australia):3448–3455 2012.
- [454] Murakami Keisuke. A Genetic Algorithm for Probe Testing Problem on High-density PCB in *Proceedings of the 2012 IEEE Congress on Evolutionary Computation* (Li Xiaodong. , ed.)(Brisbane, Australia):3456–3463 2012.
- [455] Almakhlafi Ahmad, Knowles Joshua. Benchmarks for Maintenance Scheduling Problems in Power Generation in *Proceedings of the 2012 IEEE Congress on Evolutionary Computation* (Li Xiaodong. , ed.)(Brisbane, Australia):3464–3471 2012.
- [456] Roy Subhrajit, MartInez Saul Zapotecas, Coello Coello Carlos A., Sengupta Soumyadip. A Multi-Objective Evolutionary Approach for Linear Antenna Array Design and SynthesisA Multi-Objective Evolutionary Approach for Linear Antenna Array Design and Synthesis A Multi-Objective Evolutionary Approach for Linear Antenna Array Design and Synthesi in *Proceedings of the 2012 IEEE Congress on Evolutionary Computation* (Li Xiaodong. , ed.)(Brisbane, Australia):3472–3479 2012.
- [457] MartInez Saul Zapotecas, Coello Coello Carlos A.. A Direct Local Search Mechanism for Decomposition-based Multi-Objective Evolutionary Algorithms in *Proceedings of the 2012 IEEE Congress on Evolutionary Computation* (Li Xiaodong. , ed.)(Brisbane, Australia):3480–3487 2012.
- [458] Moubayed Noura Al, hasan Bashar Awwad Shiekh, Gan John Q., Petrovski Andrei, McCall John. Continuous Presentation for Multi-Objective Channel Selection in Brain-Computer Interfaces in *Proceedings of the 2012 IEEE Congress on Evolutionary Computation* (Li Xiaodong. , ed.)(Brisbane, Australia):3488–3494 2012.
- [459] Santana Roberto, Mendiburu Alexander, Lozano Jose A.. An analysis of the use of probabilistic modelling for synaptic connectivity prediction from genomic data in *Proceedings of the 2012 IEEE Congress on Evolutionary Computation* (Li Xiaodong. , ed.)(Brisbane, Australia):3495–3502 2012.
- [460] Yamaguchi Hiroaki, Hiroyasu Tomoyuki, Nunokawa Sakito, et al. Comparison Study of Controlling Bloat Model of GP in Constructing Filter for Cell Image Segmentation Problems in *Proceedings of the 2012 IEEE Congress on Evolutionary Computation* (Li Xiaodong. , ed.)(Brisbane, Australia):3503–3510 2012.
- [461] Goh Jonathan, Tang Lilian, Peto Tunde, Saleh George. An Evolutionary Approach for Determining Hidden Markov Model for Medical Image Analysis in *Proceedings of the 2012 IEEE Congress on Evolutionary Computation* (Li Xiaodong. , ed.)(Brisbane, Australia):3511–3518 2012.



- [462] Gruenewald Armin, Hardt Simon, Mielke Matthias, Brueck Rainer. A decentralized Charge Management for Electric Vehicles using a Genetic Algorithm in *Proceedings of the 2012 IEEE Congress on Evolutionary Computation* (Li Xiaodong. , ed.)(Brisbane, Australia):3519–3525 2012.
- [463] Lima Marlon, Carrano Eduardo, Takahashi Ricardo. Multiobjective Planning of Wireless Local Area Networks (WLAN) Using Genetic Algorithms in *Proceedings of the 2012 IEEE Congress on Evolutionary Computation* (Li Xiaodong. , ed.)(Brisbane, Australia):3526–3533 2012.
- [464] Rabelo Ricardo, Lemos Marcus, Barbosa Daniel. Power System Harmonics Estimation using Particle Swarm Optimization in *Proceedings of the 2012 IEEE Congress on Evolutionary Computation* (Li Xiaodong. , ed.)(Brisbane, Australia):3534–3539 2012.
- [465] Veeramachaneni Kalyan, Wagner Markus, O'Reilly Una-May, Neumann Frank. Optimizing Energy Output and Layout Costs for Large Wind Farms using Particle Swarm Optimization in *Proceedings of the 2012 IEEE Congress on Evolutionary Computation* (Li Xiaodong. , ed.)(Brisbane, Australia):3540–3546 2012.
- [466] Herbawi Wesam, Weber Michael. The ridematching problem with time windows in dynamic ridesharing: A model and a genetic algorithm in *Proceedings of the 2012 IEEE Congress on Evolutionary Computation* (Li Xiaodong. , ed.)(Brisbane, Australia):3547–3554 2012.
- [467] Sun Yi, Lam Albert Y.S., Li Victor O.K., Xu Jin, Yu Jame J.Q.. Chemical Reaction Optimization for the Optimal Power Flow Problem in *Proceedings of the 2012 IEEE Congress on Evolutionary Computation* (Li Xiaodong. , ed.)(Brisbane, Australia):3555–3562 2012.
- [468] Handa Hisashi. Use of Graph Kernels in Estimation of Distribution Algorithms in *Proceedings of the 2012 IEEE Congress on Evolutionary Computation* (Li Xiaodong. , ed.)(Brisbane, Australia):3563–3568 2012.
- [469] Smith-Miles Kate, Tan Thomas. Measuring Algorithm Footprints in Instance Space in *Proceedings of the 2012 IEEE Congress on Evolutionary Computation* (Li Xiaodong. , ed.)(Brisbane, Australia):3569–3576 2012.
- [470] Sharma Tarun Kumar, Pant Millie, Bansal Jagdish Chand. Some Modifications to Enhance the Performance of Artificial Bee Colony in *Proceedings of the 2012 IEEE Congress on Evolutionary Computation* (Li Xiaodong. , ed.)(Brisbane, Australia):3577–3584 2012.
- [471] Kampouridis Michael, Glover Tim, Shaghaghi Ali Rais, Tsang Edward. Using a Genetic Algorithm as a Decision Support Tool for the Deployment of Fiber Optic Networks in *Proceedings of the 2012 IEEE Congress on Evolutionary Computation* (Li Xiaodong. , ed.)(Brisbane, Australia):3585–3592 2012.
- [472] Pirisi Andrea, Grimaccia Francesco, Mussetta Marco, Zich Riccardo E.. An Evolutionary Optimized Device for Energy Harvesting from Traffic in *Proceedings of the 2012 IEEE Congress on Evolutionary Computation* (Li Xiaodong. , ed.)(Brisbane, Australia):3593–3598 2012.
- [473] Britto Ricardo, Neto Pedro Santos, Rabelo Ricardo, Ayala Werney, Soares Thiago. A Hybrid Approach to Solve the Agile Team Allocation Problem in *Proceedings of the 2012 IEEE Congress on Evolutionary Computation* (Li Xiaodong. , ed.)(Brisbane, Australia):3599–3606 2012.
- [474] Tang Jiangjun, Alam Sameer, Lokan Chris, Abbass Hussein. A Multi-objective Evolutionary Method for Dynamic Airspace Re-sectorization using Sectors Clipping and Similarities in *Proceedings of the 2012 IEEE Congress on Evolutionary Computation* (Li Xiaodong. , ed.)(Brisbane, Australia):3607–3614 2012.
- [475] Ulker Ozgur, Landa-Silva Dario. Evolutionary Local Search for Solving the Office Space Allocation Problem in *Proceedings of the 2012 IEEE Congress on Evolutionary Computation* (Li Xiaodong. , ed.)(Brisbane, Australia):3615–3622 2012.

- [476] Toda Yuichiro, Narita Tsubasa, Kubota Naoyuki. Information Visualization based on 3D Modeling for Human-friendly Teleoperation in *Proceedings of the 2012 IEEE Congress on Evolutionary Computation* (Li Xiaodong. , ed.)(Brisbane, Australia):3623–3629 2012.
- [477] Shelton Joseph, Dozier Gerry, Adams Joshua, Alford Aniesha. Permutation-Based Biometric Authentication Protocols for Mitigating Replay Attacks in *Proceedings of the 2012 IEEE Congress on Evolutionary Computation* (Li Xiaodong. , ed.)(Brisbane, Australia):3630–3634 2012.
- [478] Wink Stefan, Baeck Thomas, Emmerich Michael. A Meta-Genetic Algorithm for Solving the Capacitated Vehicle Routing Problem in *Proceedings of the 2012 IEEE Congress on Evolutionary Computation* (Li Xiaodong. , ed.)(Brisbane, Australia):3635–3642 2012.
- [479] Tasoulis Sotiris, Epitropakis Michael, Plagianakos Vassilis, Tasoulis Dimitris. Density Based Projection Pursuit Clustering in *Proceedings of the 2012 IEEE Congress on Evolutionary Computation* (Li Xiaodong. , ed.)(Brisbane, Australia):3643–3650 2012.
- [480] Wang Lutao, Xu Wei, Mabu Shingo, Hirasawa Kotaro. Rule Accumulation Method Based on Credit Genetic Network Programming in *Proceedings of the 2012 IEEE Congress on Evolutionary Computation* (Li Xiaodong. , ed.)(Brisbane, Australia):3651–3658 2012.
- [481] Kromer Pavel, Snasel Vaclav, Platos Jan, Kudelka Milos, Horak Zdenek. An ACO Inspired Weighting Approach for the Spectral Partitioning of Co-authorship Networks in *Proceedings of the 2012 IEEE Congress on Evolutionary Computation* (Li Xiaodong. , ed.)(Brisbane, Australia):3659–3665 2012.