

Список литературы

- [1] Michael Affenzeller, Andreas Beham, Stefan Wagner, and Stephan M. Winkler, *About the dynamics of essential genetic information: an empirical analysis for selected ga-variants*, GEC '09: Proceedings of the first ACM/SIGEVO Summit on Genetic and Evolutionary Computation (New York, NY, USA), ACM, 2009, pp. 787–790.
- [2] Shubham Agrawal, Sumit Kumar Bose, and Srikanth Sundarrajan, *Grouping genetic algorithm for solving the serverconsolidation problem with conflicts*, GEC '09: Proceedings of the first ACM/SIGEVO Summit on Genetic and Evolutionary Computation (New York, NY, USA), ACM, 2009, pp. 1–8.
- [3] Jianwei An, Xun Guo, and Yang Yang, *Analysis of collision probability in vehicular ad hoc networks*, GEC '09: Proceedings of the first ACM/SIGEVO Summit on Genetic and Evolutionary Computation (New York, NY, USA), ACM, 2009, pp. 791–794.
- [4] Ying L. Becker and Una-May O'Reilly, *Genetic programming for quantitative stock selection*, GEC '09: Proceedings of the first ACM/SIGEVO Summit on Genetic and Evolutionary Computation (New York, NY, USA), ACM, 2009, pp. 9–16.
- [5] Ze-su Cai, Li-ning Sun, and Hai-bo Gao, *A novel hierarchical decomposition for multi-player pursuit evasion differential game with superior evaders*, GEC '09: Proceedings of the first ACM/SIGEVO Summit on Genetic and Evolutionary Computation (New York, NY, USA), ACM, 2009, pp. 795–798.
- [6] Cuiwen Cao, Jinwei Gu, Bin Jiao, Zhong Xin, and Xingsheng Gu, *Optimizing constrained non-convex nlp problems in chemical engineering field by a novel modified goal programming genetic algorithm*, GEC '09: Proceedings of the first ACM/SIGEVO Summit on Genetic and Evolutionary Computation (New York, NY, USA), ACM, 2009, pp. 17–24.
- [7] Yang Cao, Chunhua Hu, and Luming Li, *Search-based multi-paths test data generation for structure-oriented testing*, GEC '09: Proceedings of the first ACM/SIGEVO Summit on Genetic and Evolutionary Computation (New York, NY, USA), ACM, 2009, pp. 25–32.
- [8] Zheng-Cai Cao, Fei Qiao, and Qi-Di Wu, *Ga based approach for optimized scheduling in a semiconductor wafer fabrication*, GEC '09: Proceedings of the first ACM/SIGEVO Summit on Genetic and Evolutionary Computation (New York, NY, USA), ACM, 2009, pp. 1065–1068.
- [9] Hao Chen and Beiji Zou, *Optimal feature selection algorithm based on quantum-inspired clone genetic strategy in text categorization*, GEC '09: Proceedings of the first ACM/SIGEVO Summit on Genetic and Evolutionary Computation (New York, NY, USA), ACM, 2009, pp. 799–802.
- [10] Hui Chen, Chunjie Zhou, and Weifeng Zhu, *A hybrid neural-genetic approach for reconfigurable scheduling of networked control system*, GEC '09: Proceedings of the first ACM/SIGEVO Summit on Genetic and Evolutionary Computation (New York, NY, USA), ACM, 2009, pp. 33–38.
- [11] Jian Chen, Jie Jia, Yingyou Wen, Dazhe Zhao, and Jiren Liu, *A genetic approach to channel assignment for multi-radio multi-channel wireless mesh networks*, GEC '09: Proceedings of the first ACM/SIGEVO Summit on Genetic and Evolutionary Computation (New York, NY, USA), ACM, 2009, pp. 39–46.
- [12] Jian Chen, Jie Jia, Yingyou Wen, Dazhe Zhao, and Jiren Liu, *Modeling and extending lifetime of wireless sensor networks using genetic algorithm*, GEC '09: Proceedings of the first ACM/SIGEVO Summit on Genetic and Evolutionary Computation (New York, NY, USA), ACM, 2009, pp. 47–54.
- [13] Qiong Chen, Shengwu Xiong, and Hongbing Liu, *Evolutionary multi-objective optimization algorithm based on global crowding diversity maintenance strategy*, GEC '09: Proceedings of the first ACM/SIGEVO Summit on Genetic and Evolutionary Computation (New York, NY, USA), ACM, 2009, pp. 803–806.

- [14] ———, *Particle swarm optimization algorithm based on dynamic memory strategy*, GEC '09: Proceedings of the first ACM/SIGEVO Summit on Genetic and Evolutionary Computation (New York, NY, USA), ACM, 2009, pp. 55–60.
- [15] Shu-Heng Chen, Ren-Jie Zeng, and Tina Yu, *Analysis of micro-behavior and bounded rationality in double auction markets using co-evolutionary gp*, GEC '09: Proceedings of the first ACM/SIGEVO Summit on Genetic and Evolutionary Computation (New York, NY, USA), ACM, 2009, pp. 807–810.
- [16] Ziyu Chen, Zhongshi He, and Cheng Zhang, *The non-clique particle swarm optimizer*, GEC '09: Proceedings of the first ACM/SIGEVO Summit on Genetic and Evolutionary Computation (New York, NY, USA), ACM, 2009, pp. 61–66.
- [17] Francesc Comellas and Jesus Martinez-Navarro, *Bumblebees: a multiagent combinatorial optimization algorithm inspired by social insect behaviour*, GEC '09: Proceedings of the first ACM/SIGEVO Summit on Genetic and Evolutionary Computation (New York, NY, USA), ACM, 2009, pp. 811–814.
- [18] Jamie S. Cullen, *Evolutionary meta programming*, GEC '09: Proceedings of the first ACM/SIGEVO Summit on Genetic and Evolutionary Computation (New York, NY, USA), ACM, 2009, pp. 81–88.
- [19] ———, *Evolving common lisp programs in a linear-genotype evolutionary computation system*, GEC '09: Proceedings of the first ACM/SIGEVO Summit on Genetic and Evolutionary Computation (New York, NY, USA), ACM, 2009, pp. 75–80.
- [20] Guangming Dai, Yanzhi Li, and Wei Zheng, *Research on an orthogonal and model based multi-objective genetic algorithm*, GEC '09: Proceedings of the first ACM/SIGEVO Summit on Genetic and Evolutionary Computation (New York, NY, USA), ACM, 2009, pp. 815–818.
- [21] Rong Deng, Changjun Jiang, and Fei Yin, *Ant colony optimization for precedence-constrained heterogeneous multiprocessor assignment problem*, GEC '09: Proceedings of the first ACM/SIGEVO Summit on Genetic and Evolutionary Computation (New York, NY, USA), ACM, 2009, pp. 89–96.
- [22] Genhong Ding, Dan Li, and Leng Chen, *Solving the packing problem of rectangles with improved genetic algorithm based on statistical analysis*, GEC '09: Proceedings of the first ACM/SIGEVO Summit on Genetic and Evolutionary Computation (New York, NY, USA), ACM, 2009, pp. 819–822.
- [23] Genhong Ding, Linye Li, and Yao Ju, *Multi-strategy grouping genetic algorithm for the pickup and delivery problem with time windows*, GEC '09: Proceedings of the first ACM/SIGEVO Summit on Genetic and Evolutionary Computation (New York, NY, USA), ACM, 2009, pp. 97–104.
- [24] Xin Du, Lin Xin Ding, Chen Wang Xie, Xing Xu, Shen wen Wang, and Li Chen, *Convergence analysis of gene expression programming based on maintaining elitist*, GEC '09: Proceedings of the first ACM/SIGEVO Summit on Genetic and Evolutionary Computation (New York, NY, USA), ACM, 2009, pp. 823–826.
- [25] Jean-François Dupuis, Zhun Fan, and Erik Goodman, *Evolved finite state controller for hybrid system*, GEC '09: Proceedings of the first ACM/SIGEVO Summit on Genetic and Evolutionary Computation (New York, NY, USA), ACM, 2009, pp. 105–112.
- [26] Qingwu Fan, Pu Wang, and Jing Huang, *The effect of crossover on evolution ability of population*, GEC '09: Proceedings of the first ACM/SIGEVO Summit on Genetic and Evolutionary Computation (New York, NY, USA), ACM, 2009, pp. 113–118.
- [27] Xianwen Fang, Changjun Jiang, and Xiaoqin Fan, *Independent global constraints for web service composition based on ga and apn*, GEC '09: Proceedings of the first ACM/SIGEVO Summit on Genetic and Evolutionary Computation (New York, NY, USA), ACM, 2009, pp. 119–126.

- [28] Zuren Feng and Kailiang Xu, *Tabu-search for single machine scheduling with controllable processing times*, GEC '09: Proceedings of the first ACM/SIGEVO Summit on Genetic and Evolutionary Computation (New York, NY, USA), ACM, 2009, pp. 127–134.
- [29] Chai Gan, Sun Ying-ying, and Zhu Cang-hui, *Particle swarm optimization algorithm for emergency resource allocation on expressway*, GEC '09: Proceedings of the first ACM/SIGEVO Summit on Genetic and Evolutionary Computation (New York, NY, USA), ACM, 2009, pp. 135–140.
- [30] Maoguo Gong, Licheng Jiao, and Wenping Ma, *Large-scale optimization using immune algorithm*, GEC '09: Proceedings of the first ACM/SIGEVO Summit on Genetic and Evolutionary Computation (New York, NY, USA), ACM, 2009, pp. 149–156.
- [31] ———, *Orthogonal immune algorithm with diversity-based selection for numerical optimization*, GEC '09: Proceedings of the first ACM/SIGEVO Summit on Genetic and Evolutionary Computation (New York, NY, USA), ACM, 2009, pp. 141–148.
- [32] Fangqing Gu, Hai-lin Liu, and Wei Liu, *A bounded diameter minimum spanning tree evolutionary algorithm based on double chromosome*, GEC '09: Proceedings of the first ACM/SIGEVO Summit on Genetic and Evolutionary Computation (New York, NY, USA), ACM, 2009, pp. 157–162.
- [33] Jinwei Gu, Cuiwen Cao, Bin Jiao, and Xingsheng Gu, *An improved quantum genetic algorithm for stochastic flexible scheduling problem with breakdown*, GEC '09: Proceedings of the first ACM/SIGEVO Summit on Genetic and Evolutionary Computation (New York, NY, USA), ACM, 2009, pp. 163–170.
- [34] ———, *An improved quantum genetic algorithm for stochastic job shop problem*, GEC '09: Proceedings of the first ACM/SIGEVO Summit on Genetic and Evolutionary Computation (New York, NY, USA), ACM, 2009, pp. 827–830.
- [35] Quan Gu and Yongsheng Ding, *Binary particle swarm optimization based prediction of g-protein-coupled receptor families with feature selection*, GEC '09: Proceedings of the first ACM/SIGEVO Summit on Genetic and Evolutionary Computation (New York, NY, USA), ACM, 2009, pp. 171–176.
- [36] Jun-peng Guo, Wen-hua Li, and Feng Gao, *Descriptive statistics of non-uniform interval symbolic data*, GEC '09: Proceedings of the first ACM/SIGEVO Summit on Genetic and Evolutionary Computation (New York, NY, USA), ACM, 2009, pp. 831–834.
- [37] Ling Guo, Daniel Rivero, Jose A. Seoane, and Alejandro Pazos, *Classification of eeg signals using relative wavelet energy and artificial neural networks*, GEC '09: Proceedings of the first ACM/SIGEVO Summit on Genetic and Evolutionary Computation (New York, NY, USA), ACM, 2009, pp. 177–184.
- [38] Yi-nan Guo, Jian Cheng, and Yong Lin, *Cooperative interactive cultural algorithms adopting knowledge migration*, GEC '09: Proceedings of the first ACM/SIGEVO Summit on Genetic and Evolutionary Computation (New York, NY, USA), ACM, 2009, pp. 193–200.
- [39] Yi-nan Guo, Mei Yang, and Jian Cheng, *Path planning method for robots in complex ground environment based on cultural algorithm*, GEC '09: Proceedings of the first ACM/SIGEVO Summit on Genetic and Evolutionary Computation (New York, NY, USA), ACM, 2009, pp. 185–192.
- [40] Guoliang He, Yuanxiang Li, Zhongzhi Shi, and Ting Hu, *Intrinsic evolution of digital circuits using evolutionary algorithms*, GEC '09: Proceedings of the first ACM/SIGEVO Summit on Genetic and Evolutionary Computation (New York, NY, USA), ACM, 2009, pp. 201–208.
- [41] Xiao Hongfeng, Tan Guanzheng, and Huang Jingui, *Large scale function optimization or high-dimension function optimization in large using simplex-based genetic algorithm*, GEC '09: Proceedings of the first ACM/SIGEVO Summit on Genetic and Evolutionary Computation (New York, NY, USA), ACM, 2009, pp. 209–216.

- [42] Haigen Hu, Lihong Xu, and Qingsong Hu, *Model-based compromise control of greenhouse climate using pareto optimization*, GEC '09: Proceedings of the first ACM/SIGEVO Summit on Genetic and Evolutionary Computation (New York, NY, USA), ACM, 2009, pp. 217–222.
- [43] Qingsong Hu, Lihong Xu, and Erik D. Goodman, *Non-even spread nsga-ii and its application to conflicting multi-objective compatible control*, GEC '09: Proceedings of the first ACM/SIGEVO Summit on Genetic and Evolutionary Computation (New York, NY, USA), ACM, 2009, pp. 223–230.
- [44] Fengli Huang, Jinmei Gu, and Jinhong Xu, *The optimum method on injection molding condition based on rbf network and ant colony algorithm*, GEC '09: Proceedings of the first ACM/SIGEVO Summit on Genetic and Evolutionary Computation (New York, NY, USA), ACM, 2009, pp. 835–838.
- [45] Min Huang, Yan Cui, Xingwei Wang, and Hongyu Dong, *A genetic algorithm for solving fourth-party logistics routing optimizing problem with fuzzy duration time*, GEC '09: Proceedings of the first ACM/SIGEVO Summit on Genetic and Evolutionary Computation (New York, NY, USA), ACM, 2009, pp. 839–842.
- [46] Min Huang, Hong-yu Dong, Xing-wei Wang, Bing-lin Zheng, and W. H. Ip, *Guided variable neighborhood harmony search for integrated charge planning in primary steelmaking processes*, GEC '09: Proceedings of the first ACM/SIGEVO Summit on Genetic and Evolutionary Computation (New York, NY, USA), ACM, 2009, pp. 231–238.
- [47] Ho Sheau Fen Irene, Safaai Deris, Mohd Hashim, and Siti Zaiton, *University course timetable planning using hybrid particle swarm optimization*, GEC '09: Proceedings of the first ACM/SIGEVO Summit on Genetic and Evolutionary Computation (New York, NY, USA), ACM, 2009, pp. 239–246.
- [48] Fei Jiang, Hugues Berry, and Marc Schoenauer, *The impact of network topology on self-organizing maps*, GEC '09: Proceedings of the first ACM/SIGEVO Summit on Genetic and Evolutionary Computation (New York, NY, USA), ACM, 2009, pp. 247–254.
- [49] Hongwei Jiang, Zhaohui Yuan, and Yajuan Zhao, *Research on flight test calibration strategy based on data fusion*, GEC '09: Proceedings of the first ACM/SIGEVO Summit on Genetic and Evolutionary Computation (New York, NY, USA), ACM, 2009, pp. 843–846.
- [50] Lizhong Jin, Jie Jia, Guiran Chang, and Xingwei Wang, *Restoration of coverage blind spots in wireless sensor networks based on ant colony algorithm*, GEC '09: Proceedings of the first ACM/SIGEVO Summit on Genetic and Evolutionary Computation (New York, NY, USA), ACM, 2009, pp. 847–850.
- [51] Hossein Karshenas, Amin Nikanjam, B. Hoda Helmi, and Adel T. Rahmani, *Combinatorial effects of local structures and scoring metrics in bayesian optimization algorithm*, GEC '09: Proceedings of the first ACM/SIGEVO Summit on Genetic and Evolutionary Computation (New York, NY, USA), ACM, 2009, pp. 263–270.
- [52] Yong-Hyuk Kim and Yourim Yoon, *Representation and recombination over nonsingular binary matrices*, GEC '09: Proceedings of the first ACM/SIGEVO Summit on Genetic and Evolutionary Computation (New York, NY, USA), ACM, 2009, pp. 855–858.
- [53] Michael F. Korn, *Symbolic regression using abstract expression grammars*, GEC '09: Proceedings of the first ACM/SIGEVO Summit on Genetic and Evolutionary Computation (New York, NY, USA), ACM, 2009, pp. 859–862.
- [54] Li Li and Feng Kong, *Synchronization analysis and control in chaos system based on complex network*, GEC '09: Proceedings of the first ACM/SIGEVO Summit on Genetic and Evolutionary Computation (New York, NY, USA), ACM, 2009, pp. 863–866.
- [55] Ling-po Li and Ling Wang, *Hybrid algorithms based on harmony search and differential evolution for global optimization*, GEC '09: Proceedings of the first ACM/SIGEVO Summit on Genetic and Evolutionary Computation (New York, NY, USA), ACM, 2009, pp. 271–278.

- [56] Xiaomei Li, Zhaofang Mao, and Ershi Qi, *Research on multi-supplier performance measurement based on genetic ant colony algorithm*, GEC '09: Proceedings of the first ACM/SIGEVO Summit on Genetic and Evolutionary Computation (New York, NY, USA), ACM, 2009, pp. 867–870.
- [57] Yangyang Li, Hongzhu Shi, Maoguo Gong, and Ronghua Shang, *Quantum-inspired evolutionary clustering algorithm based on manifold distance*, GEC '09: Proceedings of the first ACM/SIGEVO Summit on Genetic and Evolutionary Computation (New York, NY, USA), ACM, 2009, pp. 871–874.
- [58] Zhiyong Li, Songbing Liu, Degui Xiao, Jun Chen, and Kenli Li, *Multi-objective particle swarm optimization algorithm based on game strategies*, GEC '09: Proceedings of the first ACM/SIGEVO Summit on Genetic and Evolutionary Computation (New York, NY, USA), ACM, 2009, pp. 287–294.
- [59] Zhiyong Li, Yong Wang, Kouassi K.S. Olivier, Jun Chen, and Kenli Li, *The cloud-based framework for ant colony optimization*, GEC '09: Proceedings of the first ACM/SIGEVO Summit on Genetic and Evolutionary Computation (New York, NY, USA), ACM, 2009, pp. 279–286.
- [60] Zhiyong Li, Bo Xu, Lei Yang, Jun Chen, and Kenli Li, *Quantum evolutionary algorithm for multi-robot coalition formation*, GEC '09: Proceedings of the first ACM/SIGEVO Summit on Genetic and Evolutionary Computation (New York, NY, USA), ACM, 2009, pp. 295–302.
- [61] Yuming Liang and Lihong Xu, *Global path planning for mobile robot based genetic algorithm and modified simulated annealing algorithm*, GEC '09: Proceedings of the first ACM/SIGEVO Summit on Genetic and Evolutionary Computation (New York, NY, USA), ACM, 2009, pp. 303–308.
- [62] ———, *Mobile robot global path planning using hybrid modified simulated annealing optimization algorithm*, GEC '09: Proceedings of the first ACM/SIGEVO Summit on Genetic and Evolutionary Computation (New York, NY, USA), ACM, 2009, pp. 309–314.
- [63] Chunmei Lin, *An immune algorithm for complex fuzzy cognitive map partitioning*, GEC '09: Proceedings of the first ACM/SIGEVO Summit on Genetic and Evolutionary Computation (New York, NY, USA), ACM, 2009, pp. 315–320.
- [64] Jianping Lin, Shuisheng Chen, Ying Cao, and Huajun Guan, *Parameters optimization on dent around fuel filler of auto rear fender based on intelligent algorithm*, GEC '09: Proceedings of the first ACM/SIGEVO Summit on Genetic and Evolutionary Computation (New York, NY, USA), ACM, 2009, pp. 321–328.
- [65] Bao Liu, Yongsheng Ding, and Junhong Wang, *A collaborative optimized genetic algorithm based on regulation mechanism of neuroendocrine-immune system*, GEC '09: Proceedings of the first ACM/SIGEVO Summit on Genetic and Evolutionary Computation (New York, NY, USA), ACM, 2009, pp. 329–336.
- [66] Cong Liu, Wangge Wan, and Youyong Wu, *Image based reconstruction using hybrid optimization of simulated annealing and genetic algorithm*, GEC '09: Proceedings of the first ACM/SIGEVO Summit on Genetic and Evolutionary Computation (New York, NY, USA), ACM, 2009, pp. 875–878.
- [67] Fang Liu, Yutao Qi, Zhuchang Xia, and Hongxia Hao, *Discrete differential evolution algorithm for the job shop scheduling problem*, GEC '09: Proceedings of the first ACM/SIGEVO Summit on Genetic and Evolutionary Computation (New York, NY, USA), ACM, 2009, pp. 879–882.
- [68] Fengming Liu, Wenyin Zhang, Yongsheng Ding, Xiyu Liu, Mingchun Zheng, and Yu Liu, *Dynamictrust: three-dimensional dynamic computing model of trust in peer-to-peer networks*, GEC '09: Proceedings of the first ACM/SIGEVO Summit on Genetic and Evolutionary Computation (New York, NY, USA), ACM, 2009, pp. 337–344.
- [69] Hongbing Liu, Shengwu Xiong, and Qiong Chen, *Training fuzzy support vector machines by using boundary of rough set*, GEC '09: Proceedings of the first ACM/SIGEVO Summit on Genetic and Evolutionary Computation (New York, NY, USA), ACM, 2009, pp. 883–886.

- [70] Jinchao Liu, Zhun Fan, and Erik Goodman, *Srde: an improved differential evolution based on stochastic ranking*, GEC '09: Proceedings of the first ACM/SIGEVO Summit on Genetic and Evolutionary Computation (New York, NY, USA), ACM, 2009, pp. 345–352.
- [71] Ruochen Liu, Yong Li, Wei Zhang, and Licheng Jiao, *Stochastic ranking based differential evolution algorithm for constrained optimization problem*, GEC '09: Proceedings of the first ACM/SIGEVO Summit on Genetic and Evolutionary Computation (New York, NY, USA), ACM, 2009, pp. 887–890.
- [72] Shuo Liu, Yan-you Qiao, and Qing-ke Wen, *Segmentation of multispectral remote sensing images based on ant colony optimization algorithm*, GEC '09: Proceedings of the first ACM/SIGEVO Summit on Genetic and Evolutionary Computation (New York, NY, USA), ACM, 2009, pp. 891–894.
- [73] Weirong Liu, Min Wu, Jun Peng, and Guojun Wang, *Designing fair flow fuzzy controller using genetic algorithm for computer networks*, GEC '09: Proceedings of the first ACM/SIGEVO Summit on Genetic and Evolutionary Computation (New York, NY, USA), ACM, 2009, pp. 361–368.
- [74] Wu Liu, Min Li, Yi Liu, Yuan Xu, and Xinglan Yang, *Decision of optimal scheduling scheme for gas field pipeline network based on hybrid genetic algorithm*, GEC '09: Proceedings of the first ACM/SIGEVO Summit on Genetic and Evolutionary Computation (New York, NY, USA), ACM, 2009, pp. 369–374.
- [75] Xingqiao Liu, Jianqun Hu, Shaoqing Teng, Liang Zhao, and Guohai Liu, *The design of three-motor intelligent synchronous decoupling control system*, GEC '09: Proceedings of the first ACM/SIGEVO Summit on Genetic and Evolutionary Computation (New York, NY, USA), ACM, 2009, pp. 375–380.
- [76] Yi Liu, Shengwu Xiong, and Hongbing Liu, *Hybrid simulated annealing algorithm based on adaptive cooling schedule for tsp*, GEC '09: Proceedings of the first ACM/SIGEVO Summit on Genetic and Evolutionary Computation (New York, NY, USA), ACM, 2009, pp. 895–898.
- [77] Yongkai Liu, Defu Zhang, and Stephen C.H. Leung, *A simulated annealing algorithm with a new neighborhood structure for the timetabling problem*, GEC '09: Proceedings of the first ACM/SIGEVO Summit on Genetic and Evolutionary Computation (New York, NY, USA), ACM, 2009, pp. 381–386.
- [78] Jin Longcun, Wan Wanggen, Cui Bin, Yu Xiaoqing, and Xu Hongwei, *A new multimedia information data mining method*, GEC '09: Proceedings of the first ACM/SIGEVO Summit on Genetic and Evolutionary Computation (New York, NY, USA), ACM, 2009, pp. 899–902.
- [79] Fu-Qiang LU, Min Huang, Wai-Ki Ching, Xing-Wei Wang, and Xian-li Sun, *Multi-swarm particle swarm optimization based risk management model for virtual enterprise*, GEC '09: Proceedings of the first ACM/SIGEVO Summit on Genetic and Evolutionary Computation (New York, NY, USA), ACM, 2009, pp. 387–392.
- [80] Qiang Lu, Xue-na Qiu, and Shi-rong Liu, *A discrete particle swarm optimization algorithm with fully communicated information*, GEC '09: Proceedings of the first ACM/SIGEVO Summit on Genetic and Evolutionary Computation (New York, NY, USA), ACM, 2009, pp. 393–400.
- [81] Guan-Chun Luh and Ching-Chou Hsieh, *Face recognition using immune network based on principal component analysis*, GEC '09: Proceedings of the first ACM/SIGEVO Summit on Genetic and Evolutionary Computation (New York, NY, USA), ACM, 2009, pp. 401–408.
- [82] Xiaoping Luo, Yonggang Peng, and Wei Wei, *Research on stronger convergence in probability of immune genetic algorithm*, GEC '09: Proceedings of the first ACM/SIGEVO Summit on Genetic and Evolutionary Computation (New York, NY, USA), ACM, 2009, pp. 1009–1012.

- [83] Xiong Luo, Zengqi Sun, Xiang Zhang, Laihong Hu, and Chao Wang, *Hybrid eda-based optimal attitude control for a spacecraft in a class of control task*, GEC '09: Proceedings of the first ACM/SIGEVO Summit on Genetic and Evolutionary Computation (New York, NY, USA), ACM, 2009, pp. 903–906.
- [84] Siliang Lv, Shangfei Wang, and Xufa Wang, *Emotional speech synthesis by xml file using interactive genetic algorithms*, GEC '09: Proceedings of the first ACM/SIGEVO Summit on Genetic and Evolutionary Computation (New York, NY, USA), ACM, 2009, pp. 907–910.
- [85] Xiuli Ma, Guoqiang Mu, and Xiaoqing Yu, *Kernel-based immunity synergetic network for image classification*, GEC '09: Proceedings of the first ACM/SIGEVO Summit on Genetic and Evolutionary Computation (New York, NY, USA), ACM, 2009, pp. 409–414.
- [86] Xiuli Ma, Wanggen Wan, and Licheng Jiao, *Spectral clustering ensemble for image segmentation*, GEC '09: Proceedings of the first ACM/SIGEVO Summit on Genetic and Evolutionary Computation (New York, NY, USA), ACM, 2009, pp. 415–420.
- [87] Huaqing Min, Jiaan Zeng, and Ronghua Luo, *Fuzzy cmac with automatic state partition for reinforcement learning*, GEC '09: Proceedings of the first ACM/SIGEVO Summit on Genetic and Evolutionary Computation (New York, NY, USA), ACM, 2009, pp. 421–428.
- [88] Joseph Cosmas Mushi and Guanzheng Tan, *So-antnet for improving load sharing in manet*, GEC '09: Proceedings of the first ACM/SIGEVO Summit on Genetic and Evolutionary Computation (New York, NY, USA), ACM, 2009, pp. 429–436.
- [89] Bo Ning, XianBin Cao, YanWu Xu, and Jun Zhang, *Virus-evolutionary genetic algorithm based selective ensemble classifier for pedestrian detection*, GEC '09: Proceedings of the first ACM/SIGEVO Summit on Genetic and Evolutionary Computation (New York, NY, USA), ACM, 2009, pp. 437–442.
- [90] Akira Otsuki and Kenichi Okada, *The study of the knowledge optimization tool*, GEC '09: Proceedings of the first ACM/SIGEVO Summit on Genetic and Evolutionary Computation (New York, NY, USA), ACM, 2009, pp. 443–450.
- [91] Metin Ozkan, Ahmet Yazici, Muzaffer Kapanoglu, and Osman Parlaktuna, *Hierarchical oriented genetic algorithms for coverage path planning of multi-robot teams with load balancing*, GEC '09: Proceedings of the first ACM/SIGEVO Summit on Genetic and Evolutionary Computation (New York, NY, USA), ACM, 2009, pp. 451–458.
- [92] P. S. Pa and S. C. Chang, *Computational model design and performance estimation in registration brake control*, GEC '09: Proceedings of the first ACM/SIGEVO Summit on Genetic and Evolutionary Computation (New York, NY, USA), ACM, 2009, pp. 911–914.
- [93] Feng Pan, Guanghui Wang, and Yang Liu, *A multi-objective-based non-stationary uav assignment model for constraints handling using pso*, GEC '09: Proceedings of the first ACM/SIGEVO Summit on Genetic and Evolutionary Computation (New York, NY, USA), ACM, 2009, pp. 459–466.
- [94] Konstantinos E. Parsopoulos, *Cooperative micro-particle swarm optimization*, GEC '09: Proceedings of the first ACM/SIGEVO Summit on Genetic and Evolutionary Computation (New York, NY, USA), ACM, 2009, pp. 467–474.
- [95] Yonggang Peng, Xiaoping Luo, and Wei Wei, *Discussion on convergence of a fuzzy adaptive simulated annealing genetic algorithm*, GEC '09: Proceedings of the first ACM/SIGEVO Summit on Genetic and Evolutionary Computation (New York, NY, USA), ACM, 2009, pp. 915–918.
- [96] Yu Peng, Defu Zhang, and Francis Y.L. Chin, *A hybrid simulated annealing algorithm for container loading problem*, GEC '09: Proceedings of the first ACM/SIGEVO Summit on Genetic and Evolutionary Computation (New York, NY, USA), ACM, 2009, pp. 919–928.

- [97] Wayne Pullan, *A population based hybrid meta-heuristic for the uncapacitated facility location problem*, GEC '09: Proceedings of the first ACM/SIGEVO Summit on Genetic and Evolutionary Computation (New York, NY, USA), ACM, 2009, pp. 475–482.
- [98] Jinpeng Qi, Shihuang Shao, and Zhihai Rong, *Feedback-control modeling for cellular response mechanisms based on a gene regulatory networks under radiotherapy*, GEC '09: Proceedings of the first ACM/SIGEVO Summit on Genetic and Evolutionary Computation (New York, NY, USA), ACM, 2009, pp. 933–936.
- [99] Xu Qian, Tang Shengjing, and Guo Jie, *Evolutionary algorithm for multi-objective optimization and its application in unmanned flight vehicle trajectory control*, GEC '09: Proceedings of the first ACM/SIGEVO Summit on Genetic and Evolutionary Computation (New York, NY, USA), ACM, 2009, pp. 937–940.
- [100] Sen Qin, *Log-optimal portfolio models with risk control of var and cvar using genetic algorithms*, GEC '09: Proceedings of the first ACM/SIGEVO Summit on Genetic and Evolutionary Computation (New York, NY, USA), ACM, 2009, pp. 941–944.
- [101] Xuena Qiu and Qiang Lu, *Target tracking and localization of binocular mobile robot using camshift and sift*, GEC '09: Proceedings of the first ACM/SIGEVO Summit on Genetic and Evolutionary Computation (New York, NY, USA), ACM, 2009, pp. 483–488.
- [102] Oleg Rokhlenko and Ydo Wexler, *Embedded self-adaptation to escape from local optima*, GEC '09: Proceedings of the first ACM/SIGEVO Summit on Genetic and Evolutionary Computation (New York, NY, USA), ACM, 2009, pp. 489–496.
- [103] Ivan Sekaj and Michal Oravec, *Selected population characteristics of fine-grained parallel genetic algorithms with re-initialization*, GEC '09: Proceedings of the first ACM/SIGEVO Summit on Genetic and Evolutionary Computation (New York, NY, USA), ACM, 2009, pp. 945–948.
- [104] Choo Chwee Seng, Chua Ching Lian, Low Kin Ming Spencer, and Ong Wee Sze Darren, *A co-evolutionary approach for military operational analysis*, GEC '09: Proceedings of the first ACM/SIGEVO Summit on Genetic and Evolutionary Computation (New York, NY, USA), ACM, 2009, pp. 67–74.
- [105] Hai Shen, Yunlong Zhu, Xiaoming Zhou, Haifeng Guo, and Chunguang Chang, *Bacterial foraging optimization algorithm with particle swarm optimization strategy for global numerical optimization*, GEC '09: Proceedings of the first ACM/SIGEVO Summit on Genetic and Evolutionary Computation (New York, NY, USA), ACM, 2009, pp. 497–504.
- [106] Jian-hong Shen, Chun-xiang Li, and Jin-hua Li, *Structural damping identification using analytic wavelet transformation*, GEC '09: Proceedings of the first ACM/SIGEVO Summit on Genetic and Evolutionary Computation (New York, NY, USA), ACM, 2009, pp. 949–952.
- [107] Robert E. Smith and Max K. Jiang, *Milcs in protein structure prediction with default hierarchies*, GEC '09: Proceedings of the first ACM/SIGEVO Summit on Genetic and Evolutionary Computation (New York, NY, USA), ACM, 2009, pp. 953–956.
- [108] Bai Su and Yi-Dong Shen, *Maximum margin transfer learning*, GEC '09: Proceedings of the first ACM/SIGEVO Summit on Genetic and Evolutionary Computation (New York, NY, USA), ACM, 2009, pp. 957–960.
- [109] Shiliang Sun, *Traffic flow forecasting based on multitask ensemble learning*, GEC '09: Proceedings of the first ACM/SIGEVO Summit on Genetic and Evolutionary Computation (New York, NY, USA), ACM, 2009, pp. 961–964.
- [110] Xianli Sun, Min Huang, Xingwei Wang, and Fuqiang Lu, *Distributed risk management model and algorithm for virtual enterprise with private information*, GEC '09: Proceedings of the first ACM/SIGEVO Summit on Genetic and Evolutionary Computation (New York, NY, USA), ACM, 2009, pp. 965–968.

- [111] Yanxia Sun, Guoyuan Qi, Zenghui Wang, Barend Jacobus van Wyk, and Yskandar Hamam, *Chaotic particle swarm optimization*, GEC '09: Proceedings of the first ACM/SIGEVO Summit on Genetic and Evolutionary Computation (New York, NY, USA), ACM, 2009, pp. 505–510.
- [112] Lixiang Tan and Li Guo, *Quantum and biogeography based optimization for a class of combinatorial optimization*, GEC '09: Proceedings of the first ACM/SIGEVO Summit on Genetic and Evolutionary Computation (New York, NY, USA), ACM, 2009, pp. 969–972.
- [113] Yunliang Tan, Tongbin Zhao, and Zhigang Zhao, *Using ga-ann algorithm to predicate coal bump energy*, GEC '09: Proceedings of the first ACM/SIGEVO Summit on Genetic and Evolutionary Computation (New York, NY, USA), ACM, 2009, pp. 973–976.
- [114] Jiangjun Tang, Sameer Alam, Hussein Abbass, and Chris Lokan, *Modelling and evolutionary multi-objective evaluation of interdependencies and work processes in airport operations*, GEC '09: Proceedings of the first ACM/SIGEVO Summit on Genetic and Evolutionary Computation (New York, NY, USA), ACM, 2009, pp. 977–984.
- [115] Prakarn Unachak and Erik Goodman, *Adaptive representation for flexible job-shop scheduling and rescheduling*, GEC '09: Proceedings of the first ACM/SIGEVO Summit on Genetic and Evolutionary Computation (New York, NY, USA), ACM, 2009, pp. 511–516.
- [116] Shanshan Wan, Ying Hao, and Dongwei Qiu, *Research on vrp using advanced probability learning based evolutionary algorithm*, GEC '09: Proceedings of the first ACM/SIGEVO Summit on Genetic and Evolutionary Computation (New York, NY, USA), ACM, 2009, pp. 517–520.
- [117] Feng Wang, Zhiyi Lin, Cheng Yang, and Yuanxiang Li, *Sgmit: using selfish gene theory to construct mutualinformation trees for optimization*, GEC '09: Proceedings of the first ACM/SIGEVO Summit on Genetic and Evolutionary Computation (New York, NY, USA), ACM, 2009, pp. 521–528.
- [118] Hangjun Wang, Hengnian Qi, Wenzhu Li, Guangqun Zhang, and Paoping Wang, *A ga-based automatic pore segmentation algorithm*, GEC '09: Proceedings of the first ACM/SIGEVO Summit on Genetic and Evolutionary Computation (New York, NY, USA), ACM, 2009, pp. 985–988.
- [119] He Wang, Guowei Teng, Zhangyao Zhang, and Guozhong Wang, *A low cost hardware oriented motion estimation algorithm for hdtv*, GEC '09: Proceedings of the first ACM/SIGEVO Summit on Genetic and Evolutionary Computation (New York, NY, USA), ACM, 2009, pp. 529–536.
- [120] Hui Wang, Zhijian Wu, Yong Liu, Jing Wang, Dazhi Jiang, and Lili Chen, *Space transformation search: a new evolutionary technique*, GEC '09: Proceedings of the first ACM/SIGEVO Summit on Genetic and Evolutionary Computation (New York, NY, USA), ACM, 2009, pp. 537–544.
- [121] JingXia Wang and Sin Ming Loo, *Case study of finite resource optimization in fpga using genetic algorithm*, GEC '09: Proceedings of the first ACM/SIGEVO Summit on Genetic and Evolutionary Computation (New York, NY, USA), ACM, 2009, pp. 989–992.
- [122] Li-Fang Wang, Jian-Chao Zeng, and Yi Hong, *Estimation of distribution algorithm based on archimedean copulas*, GEC '09: Proceedings of the first ACM/SIGEVO Summit on Genetic and Evolutionary Computation (New York, NY, USA), ACM, 2009, pp. 993–996.
- [123] Ling Wang, Xiuting Wang, and Minrui Fei, *A novel quantum-inspired pseudorandom proportional evolutionary algorithm for the multidimensional knapsack problem*, GEC '09: Proceedings of the first ACM/SIGEVO Summit on Genetic and Evolutionary Computation (New York, NY, USA), ACM, 2009, pp. 545–552.
- [124] Xiangyang Wang, Wanggen Wan, and Xiaoqing Yu, *Rough set approximate entropy reducts with order based particle swarm optimization*, GEC '09: Proceedings of the first ACM/SIGEVO Summit on Genetic and Evolutionary Computation (New York, NY, USA), ACM, 2009, pp. 553–560.

- [125] Yan Wang, Juexin Wang, Wei Du, Chen Zhang, Yu Zhang, and Chunguang Zhou, *Parameters optimization of support vector regression based on immune particle swarm optimization algorithm*, GEC '09: Proceedings of the first ACM/SIGEVO Summit on Genetic and Evolutionary Computation (New York, NY, USA), ACM, 2009, pp. 997–1000.
- [126] Yu-feng Wang, Yan Wang, and Chao-yi Mu, *Nodes localization in sensor networks based on vectors and particle swarm optimization*, GEC '09: Proceedings of the first ACM/SIGEVO Summit on Genetic and Evolutionary Computation (New York, NY, USA), ACM, 2009, pp. 561–564.
- [127] Zan Wang, Jin-lan Liu, and Xue Yu, *Self-fertilization based genetic algorithm for university timetabling problem*, GEC '09: Proceedings of the first ACM/SIGEVO Summit on Genetic and Evolutionary Computation (New York, NY, USA), ACM, 2009, pp. 1001–1004.
- [128] Zhi-Ling Wang, Zong-Hai Chen, and Hui-Yong Chen, *A novel robust background modeling algorithm for complex natural scenes*, GEC '09: Proceedings of the first ACM/SIGEVO Summit on Genetic and Evolutionary Computation (New York, NY, USA), ACM, 2009, pp. 565–570.
- [129] Deng Weihua and Fei Minrui, *Dynamic output feedback control of uncertain networked control systems*, GEC '09: Proceedings of the first ACM/SIGEVO Summit on Genetic and Evolutionary Computation (New York, NY, USA), ACM, 2009, pp. 571–576.
- [130] Thomas Weise and Michael Zapf, *Evolving distributed algorithms with genetic programming: election*, GEC '09: Proceedings of the first ACM/SIGEVO Summit on Genetic and Evolutionary Computation (New York, NY, USA), ACM, 2009, pp. 577–584.
- [131] Lingyun Wen, Guiquan Liu, and Yinghai Zhao, *Hs-model: a hierarchical statistical subtree-generating model for genetic programming*, GEC '09: Proceedings of the first ACM/SIGEVO Summit on Genetic and Evolutionary Computation (New York, NY, USA), ACM, 2009, pp. 1005–1008.
- [132] John R. Woodward and Ruibin Bai, *Canonical representation genetic programming*, GEC '09: Proceedings of the first ACM/SIGEVO Summit on Genetic and Evolutionary Computation (New York, NY, USA), ACM, 2009, pp. 585–592.
- [133] ———, *Why evolution is not a good paradigm for program induction: a critique of genetic programming*, GEC '09: Proceedings of the first ACM/SIGEVO Summit on Genetic and Evolutionary Computation (New York, NY, USA), ACM, 2009, pp. 593–600.
- [134] Chun-Yin Wu, Ching-Bin Zhang, and Chi-Jer Wang, *Topology optimization of structures using ant colony optimization*, GEC '09: Proceedings of the first ACM/SIGEVO Summit on Genetic and Evolutionary Computation (New York, NY, USA), ACM, 2009, pp. 601–608.
- [135] Fan Xie, Suojun He, Xiao Liu, Xingguo Li, Junping Du, Jiajian Yang, Yiwen Fu, Yang Chen, Junping Wang, Zhiqing Liu, and Qiliang Zhu, *To create neuro-controlled game opponent from uct-created data*, GEC '09: Proceedings of the first ACM/SIGEVO Summit on Genetic and Evolutionary Computation (New York, NY, USA), ACM, 2009, pp. 1013–1016.
- [136] Li-Ping Xie and Jian-Chao Zeng, *A global optimization based on physicomimetics framework*, GEC '09: Proceedings of the first ACM/SIGEVO Summit on Genetic and Evolutionary Computation (New York, NY, USA), ACM, 2009, pp. 609–616.
- [137] Lun Xie, Zhiliang Wang, and Kun Wu, *The stability study of biped robot based on ga and neural network*, GEC '09: Proceedings of the first ACM/SIGEVO Summit on Genetic and Evolutionary Computation (New York, NY, USA), ACM, 2009, pp. 617–622.
- [138] Bin Xin, Jie Chen, and Feng Pan, *Problem difficulty analysis for particle swarm optimization: deception and modality*, GEC '09: Proceedings of the first ACM/SIGEVO Summit on Genetic and Evolutionary Computation (New York, NY, USA), ACM, 2009, pp. 623–630.

- [139] Baoliang Xu, Wenjian Luo, Xingxin Pei, Min Zhang, and Xufa Wang, *On average time complexity of evolutionary negative selection algorithms for anomaly detection*, GEC '09: Proceedings of the first ACM/SIGEVO Summit on Genetic and Evolutionary Computation (New York, NY, USA), ACM, 2009, pp. 631–638.
- [140] Hai-qin Xu, Yong-sheng Ding, and Zhi-hua Hu, *Adaptive immune genetic algorithm for logic circuit design*, GEC '09: Proceedings of the first ACM/SIGEVO Summit on Genetic and Evolutionary Computation (New York, NY, USA), ACM, 2009, pp. 639–644.
- [141] Lihong Xu, Haigen Hu, and Bingkun Zhu, *Energy-saving control of greenhouse climate based on mocc strategy*, GEC '09: Proceedings of the first ACM/SIGEVO Summit on Genetic and Evolutionary Computation (New York, NY, USA), ACM, 2009, pp. 645–650.
- [142] Lihong Xu, Bingkun Zhu, and Erik D. Goodman, *An improved mocc with feedback control structure based on preference*, GEC '09: Proceedings of the first ACM/SIGEVO Summit on Genetic and Evolutionary Computation (New York, NY, USA), ACM, 2009, pp. 651–656.
- [143] Qingzheng Xu, Jing Si, and Lei Wang, *Association based immune network for multimodal function optimization*, GEC '09: Proceedings of the first ACM/SIGEVO Summit on Genetic and Evolutionary Computation (New York, NY, USA), ACM, 2009, pp. 657–664.
- [144] Su Xu, Xu Zhou, and Yi-ning Sun, *A genetic algorithm-based feature selection method for human identification based on ground reaction force*, GEC '09: Proceedings of the first ACM/SIGEVO Summit on Genetic and Evolutionary Computation (New York, NY, USA), ACM, 2009, pp. 665–670.
- [145] Wei Xu and Xingsheng Gu, *A hybrid particle swarm optimization approach with prior crossover differential evolution*, GEC '09: Proceedings of the first ACM/SIGEVO Summit on Genetic and Evolutionary Computation (New York, NY, USA), ACM, 2009, pp. 671–678.
- [146] Xing Xu, Yuanxiang Li, Yu Wu, and Xin Du, *Parameter estimation for asymptotic regression model by particle swarm optimization*, GEC '09: Proceedings of the first ACM/SIGEVO Summit on Genetic and Evolutionary Computation (New York, NY, USA), ACM, 2009, pp. 679–686.
- [147] YongLiang Xu, Malcolm Yoke Hean Low, and Chwee Seng Choo, *Enhancing automated red teaming with evolvable simulation*, GEC '09: Proceedings of the first ACM/SIGEVO Summit on Genetic and Evolutionary Computation (New York, NY, USA), ACM, 2009, pp. 687–694.
- [148] Yuan Xu, Yang Deli, and Liu Yu, *Efficient annealing -inspired genetic algorithm for information retrieval from web-document*, GEC '09: Proceedings of the first ACM/SIGEVO Summit on Genetic and Evolutionary Computation (New York, NY, USA), ACM, 2009, pp. 1017–1020.
- [149] Zhenhao Xu, Xingsheng Gu, Bin Jiao, and Jinwei Gu, *Research on job shop scheduling under uncertainty*, GEC '09: Proceedings of the first ACM/SIGEVO Summit on Genetic and Evolutionary Computation (New York, NY, USA), ACM, 2009, pp. 695–702.
- [150] Songdong Xue and Jianchao Zeng, *Controlling swarm robots with kinematic constraints for target search*, GEC '09: Proceedings of the first ACM/SIGEVO Summit on Genetic and Evolutionary Computation (New York, NY, USA), ACM, 2009, pp. 1021–1024.
- [151] Ping Yan and Lixin Tang, *Pso algorithm for a scheduling parallel unit batch process with batching*, GEC '09: Proceedings of the first ACM/SIGEVO Summit on Genetic and Evolutionary Computation (New York, NY, USA), ACM, 2009, pp. 703–708.
- [152] ShiYu Yan and ZengQi Sun, *Design and analysis of switching full-order current observer and separation principle for t-s fuzzy system*, GEC '09: Proceedings of the first ACM/SIGEVO Summit on Genetic and Evolutionary Computation (New York, NY, USA), ACM, 2009, pp. 709–716.
- [153] Tao Yan, Liquan Shen, Ping An, He Wang, and Zhaoyang Zhang, *Frame-layer rate control algorithm for multi-view video coding*, GEC '09: Proceedings of the first ACM/SIGEVO Summit on Genetic and Evolutionary Computation (New York, NY, USA), ACM, 2009, pp. 1025–1028.

- [154] Kun Yang, Jingwei Ye, Zhijun Li, and Yu Qiao, *Free hand sketch understanding using svms-chain modeling for spatial and temporal patterns*, GEC '09: Proceedings of the first ACM/SIGEVO Summit on Genetic and Evolutionary Computation (New York, NY, USA), ACM, 2009, pp. 1029–1032.
- [155] Yang Yang, Luo Xiaoping, Peng Yonggang, and Wei Wei, *Research of fuzzy control strategy on artificial climate chest*, GEC '09: Proceedings of the first ACM/SIGEVO Summit on Genetic and Evolutionary Computation (New York, NY, USA), ACM, 2009, pp. 1033–1036.
- [156] Sun Yong and Li Zhimin, *Optimal multi-objective design of power system damping controller using synergy of bacterial forging and particle swarm optimization*, GEC '09: Proceedings of the first ACM/SIGEVO Summit on Genetic and Evolutionary Computation (New York, NY, USA), ACM, 2009, pp. 1037–1040.
- [157] Banping Yu, Sanyou Zeng, Song Gao, Zu Yan, Yulong Shi, Xianqiang Yang, and Bo Xiao, *A dynamic evolutionary algorithm and its application in automated antenna design*, GEC '09: Proceedings of the first ACM/SIGEVO Summit on Genetic and Evolutionary Computation (New York, NY, USA), ACM, 2009, pp. 929–932.
- [158] Shengpeng Yu, Xianbin Cao, Maobin Hu, Wenbo Du, and Jun Zhang, *A real-time schedule method for aircraft landing scheduling problem based on cellular automaton*, GEC '09: Proceedings of the first ACM/SIGEVO Summit on Genetic and Evolutionary Computation (New York, NY, USA), ACM, 2009, pp. 717–724.
- [159] You-Ming Yu, Guo-Qing Zhao, and Jian-Dong Liu, *Hyperchaotic genetic algorithm theory and functions optimization*, GEC '09: Proceedings of the first ACM/SIGEVO Summit on Genetic and Evolutionary Computation (New York, NY, USA), ACM, 2009, pp. 1041–1044.
- [160] RongXiang Yuan, Xiufen Zou, and Chunlin Xu, *A parallel evolutionary algorithm for optimal pulse-width modulation technique in power systems*, GEC '09: Proceedings of the first ACM/SIGEVO Summit on Genetic and Evolutionary Computation (New York, NY, USA), ACM, 2009, pp. 725–730.
- [161] Lingli Zeng, Fengxing Zou, and Xiaohong Xu, *Mathematical model and hybrid particle swarm optimization for flexible job-shop scheduling problem*, GEC '09: Proceedings of the first ACM/SIGEVO Summit on Genetic and Evolutionary Computation (New York, NY, USA), ACM, 2009, pp. 731–736.
- [162] Wenying Zeng, Yuelong Zhao, and Junwei Zeng, *Cloud service and service selection algorithm research*, GEC '09: Proceedings of the first ACM/SIGEVO Summit on Genetic and Evolutionary Computation (New York, NY, USA), ACM, 2009, pp. 1045–1048.
- [163] Li Zhang, Yong Chang Jiao, Hong Li, and Fu Shun Zhang, *Hybrid differential evolution and the simplified quadratic interpolation for global optimization*, GEC '09: Proceedings of the first ACM/SIGEVO Summit on Genetic and Evolutionary Computation (New York, NY, USA), ACM, 2009, pp. 1049–1052.
- [164] Mingming Zhang, Shuguang Zhao, and Xu Wang, *A novel sexual adaptive genetic algorithm based on two-step evolutionary scenario of baldwin effect and analysis of global convergence*, GEC '09: Proceedings of the first ACM/SIGEVO Summit on Genetic and Evolutionary Computation (New York, NY, USA), ACM, 2009, pp. 737–744.
- [165] Qian Zhang, Suxing Liu, Ping An, and Zhaoyang Zhang, *Object segmentation based on disparity estimation*, GEC '09: Proceedings of the first ACM/SIGEVO Summit on Genetic and Evolutionary Computation (New York, NY, USA), ACM, 2009, pp. 1053–1056.
- [166] Qing-bin Zhang, Ti-hua Wu, and Bo Liu, *A weight based compact genetic algorithm*, GEC '09: Proceedings of the first ACM/SIGEVO Summit on Genetic and Evolutionary Computation (New York, NY, USA), ACM, 2009, pp. 1057–1060.

- [167] Shu-Ping Zhang, Yong-Sheng Ding, and Kuang-Rong Hao, *An immune evolutionary algorithm based pose estimation method for parallel manipulator*, GEC '09: Proceedings of the first ACM/SIGEVO Summit on Genetic and Evolutionary Computation (New York, NY, USA), ACM, 2009, pp. 745–750.
- [168] Xiang-feng Zhang, Jun Liu, and Yong-sheng Ding, *An immune co-evolutionary algorithm based approach for optimization control of gas turbine*, GEC '09: Proceedings of the first ACM/SIGEVO Summit on Genetic and Evolutionary Computation (New York, NY, USA), ACM, 2009, pp. 751–756.
- [169] Yuntao Zhao, Jing Wang, and Yong Song, *An improved differential evolution to continuous domains and its convergence*, GEC '09: Proceedings of the first ACM/SIGEVO Summit on Genetic and Evolutionary Computation (New York, NY, USA), ACM, 2009, pp. 1061–1064.
- [170] Qiang Zhou, Xunxue Cui, Zhengshan Wang, and Bin Yang, *A hybrid optimization algorithm for the job-shop scheduling problem*, GEC '09: Proceedings of the first ACM/SIGEVO Summit on Genetic and Evolutionary Computation (New York, NY, USA), ACM, 2009, pp. 757–764.
- [171] Zhina Zhou, Shi Zhongke, and Yingfeng Li, *Study to short-term flow estimation at intersection base on genetic neural networks*, GEC '09: Proceedings of the first ACM/SIGEVO Summit on Genetic and Evolutionary Computation (New York, NY, USA), ACM, 2009, pp. 1073–1076.
- [172] Mengyu Zhu and Yuliang Yang, *An improved simulated annealing algorithm for vector quantizer design*, GEC '09: Proceedings of the first ACM/SIGEVO Summit on Genetic and Evolutionary Computation (New York, NY, USA), ACM, 2009, pp. 1077–1080.
- [173] Weihang Zhu, *A study of parallel evolution strategy: pattern search on a gpu computing platform*, GEC '09: Proceedings of the first ACM/SIGEVO Summit on Genetic and Evolutionary Computation (New York, NY, USA), ACM, 2009, pp. 765–772.
- [174] Ying Zhu, Yongsheng Ding, Wanggen Li, and Gregory Kemp, *A proposed modularized dna computer, based on biochips*, GEC '09: Proceedings of the first ACM/SIGEVO Summit on Genetic and Evolutionary Computation (New York, NY, USA), ACM, 2009, pp. 773–780.
- [175] Juchao Zhuo, Jun Li, and Gang Wu, *Study of cache placement for time-shifted tv cluster using genetic algorithm*, GEC '09: Proceedings of the first ACM/SIGEVO Summit on Genetic and Evolutionary Computation (New York, NY, USA), ACM, 2009, pp. 781–786.