Список литературы

[Affenzeller et al. 2009] M. Affenzeller, A. Beham, S. Wagner, and S. M. Winkler, About the dynamics of essential genetic information: an empirical analysis for selected ga-variants, in *GEC* '09: Proceedings of the first ACM/SIGEVO Summit on Genetic and Evolutionary Computation, pp. 787–790, New York, NY, USA, 2009, ACM. S. Agrawal, S. K. Bose, and S. Sundarrajan, Grouping genetic

algorithm for solving the server consolidation problem with conflicts, in GEC '09: Proceedings of the first ACM/SIGEVO Summit on Genetic and Evolutionary Computation, pp. 1–8, New York, NY, USA, 2009, ACM.

J. An, X. Guo, and Y. Yang, Analysis of collision probability in vehicular ad hoc networks, in GEC '09: Proceedings of the first ACM/SIGEVO Summit on Genetic and Evolutionary Computation, pp. 791–794, New York, NY, USA, 2009, ACM.

Y. L. Becker and U.-M. O'Reilly, Genetic programming for quantitative stock selection, in GEC '09: Proceedings of the first ACM/SIGEVO Summit on Genetic and Evolutionary Computation, pp. 9–16, New York, NY, USA, 2009, ACM.

Z.-s. Cai, L.-n. Sun, and H.-b. Gao, A novel hierarchical decomposition for multi-player pursuit evasion differential game with superior evaders, in GEC '09: Proceedings of the first ACM/SIGEVO Summit on Genetic and Evolutionary Computation, pp. 795–798, New York, NY, USA, 2009, ACM.

C. Cao, J. Gu, B. Jiao, Z. Xin, and X. Gu, Optimizing constrained non-convex nlp problems in chemical engineering field by a novel modified goal programming genetic algorithm, in GEC '09: Proceedings of the first ACM/SIGEVO Summit on Genetic and Evolutionary Computation, pp. 17–24, New York, NY, USA, 2009, ACM.

Y. Cao, C. Hu, and L. Li, Search-based multi-paths test data generation for structure-oriented testing, in GEC '09: Proceedings of the first ACM/SIGEVO Summit on Genetic and Evolutionary Computation, pp. 25–32, New York, NY, USA, 2009, ACM.

Z.-C. Cao, F. Qiao, and Q.-D. Wu, Ga based approach for optimized scheduling in a semiconductor wafer fabrication, in GEC '09: Proceedings of the first ACM/SIGEVO Summit on Genetic and Evolutionary Computation, pp. 1065-1068, New York, NY, USA, 2009, ACM.

H. Chen and B. Zou. Optimal feature selection algorithm based on quantum-inspired clone genetic strategy in text categorization, in GEC '09: Proceedings of the first ACM/SIGEVO Summit on Genetic and Evolutionary Computation, pp. 799–802, New York, NY, USA, 2009, ACM.

H. Chen, C. Zhou, and W. Zhu, A hybrid neural-genetic approach for reconfigurable scheduling of networked control system, in GEC '09: Proceedings of the first ACM/SIGEVO Summit on Genetic and Evolutionary Computation, pp. 33–38, New York, NY, USA, 2009, ACM.

[Agrawal et al. 2009]

[An et al. 2009]

[Becker and O'Reilly 2009]

[Cai et al. 2009]

[Cao et al. 2009a]

[Cao et al. 2009b]

[Cao et al. 2009c]

[Chen and Zou 2009]

[Chen et al. 2009a]

[Chen et al. 2009b]	J. Chen, J. Jia, Y. Wen, D. zhao, and J. Liu, A genetic approach to channel assignment for multi-radio multi-channel wireless mesh networks, in <i>GEC '09: Proceedings of the first ACM/SIGEVO Summit on Genetic and Evolutionary Computation</i> , pp. 39–46, New York, NY, USA, 2009, ACM.
[Chen et al. 2009c]	J. Chen, J. Jia, Y. Wen, D. Zhao, and J. Liu, Modeling and extending lifetime of wireless sensor networks using genetic algorithm, in <i>GEC '09: Proceedings of the first ACM/SIGEVO Summit on Genetic and Evolutionary Computation</i> , pp. 47–54, New York, NY, USA, 2009, ACM.
[Chen et al. 2009d]	Q. Chen, S. Xiong, and H. Liu, Evolutionary multi-objective optimization algorithm based on global crowding diversity maintenance strategy, in <i>GEC '09: Proceedings of the first ACM/SIGEVO Summit on Genetic and Evolutionary Computation</i> , pp. 803–806, New York, NY, USA, 2009, ACM.
[Chen et al. 2009e]	Q. Chen, S. Xiong, and H. Liu, Particle swarm optimization algorithm based on dynamic memory strategy, in <i>GEC '09: Proceedings of the first ACM/SIGEVO Summit on Genetic and Evolutionary Computation</i> , pp. 55–60, New York, NY, USA, 2009, ACM.
[Chen et al. 2009f]	SH. Chen, RJ. Zeng, and T. Yu, Analysis of microbehavior and bounded rationality in double auction markets using co-evolutionary gp, in <i>GEC '09: Proceedings of the first ACM/SIGEVO Summit on Genetic and Evolutionary Computation</i> , pp. 807–810, New York, NY, USA, 2009, ACM.
[Chen et al. 2009g]	Z. Chen, Z. He, and C. Zhang, The non-clique particle swarm optimizer, in GEC '09: Proceedings of the first ACM/SIGEVO
	Summit on Genetic and Evolutionary Computation, pp. 61–66, New York, NY, USA, 2009, ACM.
[Comellas and Martinez-Navarro 2009]	
[Comellas and Martinez-Navarro 2009] [Cullen 2009a]	New York, NY, USA, 2009, ACM. F. Comellas and J. Martinez-Navarro, Bumblebees: a multiagent combinatorial optimization algorithm inspired by social insect behaviour, in GEC '09: Proceedings of the first ACM/SIGEVO Summit on Genetic and Evolutionary
•	New York, NY, USA, 2009, ACM. F. Comellas and J. Martinez-Navarro, Bumblebees: a multiagent combinatorial optimization algorithm inspired by social insect behaviour, in GEC '09: Proceedings of the first ACM/SIGEVO Summit on Genetic and Evolutionary Computation, pp. 811–814, New York, NY, USA, 2009, ACM. J. S. Cullen, Evolutionary meta programming, in GEC '09: Proceedings of the first ACM/SIGEVO Summit on Genetic and Evolutionary Computation, pp. 81–88, New York, NY, USA,
[Cullen 2009a]	New York, NY, USA, 2009, ACM. F. Comellas and J. Martinez-Navarro, Bumblebees: a multiagent combinatorial optimization algorithm inspired by social insect behaviour, in GEC '09: Proceedings of the first ACM/SIGEVO Summit on Genetic and Evolutionary Computation, pp. 811–814, New York, NY, USA, 2009, ACM. J. S. Cullen, Evolutionary meta programming, in GEC '09: Proceedings of the first ACM/SIGEVO Summit on Genetic and Evolutionary Computation, pp. 81–88, New York, NY, USA, 2009, ACM. J. S. Cullen, Evolving common lisp programs in a linear-genotype evolutionary computation system, in GEC '09: Proceedings of the first ACM/SIGEVO Summit on Genetic and Evolutionary Computation, pp. 75–80, New York, NY, USA,

assignment problem, in *GEC '09: Proceedings of the first ACM/SIGEVO Summit on Genetic and Evolutionary Computation*, pp. 89–96, New York, NY, USA, 2009, ACM.

G. Ding, D. Li, and L. Chen, Solving the packing problem of rectangles with improved genetic algorithm based on statistical analysis, in *GEC '09: Proceedings of the first ACM/SIGEVO Summit on Genetic and Evolutionary Computation*, pp. 819–822, New York, NY, USA, 2009, ACM.

G. Ding, L. Li, and Y. Ju, Multi-strategy grouping genetic algorithm for the pickup and delivery problem with time windows, in *GEC '09: Proceedings of the first ACM/SIGEVO Summit on Genetic and Evolutionary Computation*, pp. 97–104, New York, NY, USA, 2009, ACM.

X. Du, L. X. Ding, C. W. Xie, X. Xu, S. w. Wang, and L. Chen, Convergence analysis of gene expression programming based on maintaining elitist, in *GEC '09: Proceedings of the first ACM/SIGEVO Summit on Genetic and Evolutionary Computation*, pp. 823–826, New York, NY, USA, 2009, ACM.

J.-F. Dupuis, Z. Fan, and E. Goodman, Evolved finite state controller for hybrid system, in *GEC '09: Proceedings of the first ACM/SIGEVO Summit on Genetic and Evolutionary Computation*, pp. 105–112, New York, NY, USA, 2009, ACM.

Q. Fan, P. Wang, and J. Huang, The effect of crossover on evolution ability of population, in *GEC '09: Proceedings of the first ACM/SIGEVO Summit on Genetic and Evolutionary Computation*, pp. 113–118, New York, NY, USA, 2009, ACM.

X. Fang, C. Jiang, and X. Fan, Independent global constraints for web service composition based on ga and apn, in *GEC '09: Proceedings of the first ACM/SIGEVO Summit on Genetic and Evolutionary Computation*, pp. 119–126, New York, NY, USA, 2009, ACM.

Z. Feng and K. Xu, Tabu-search for single machine scheduling with controllable processing times, in *GEC '09: Proceedings of the first ACM/SIGEVO Summit on Genetic and Evolutionary Computation*, pp. 127–134, New York, NY, USA, 2009, ACM.

C. Gan, S. Ying-ying, and Z. Cang-hui, Particle swarm optimization algorithm for emergency resource allocation on expressway, in *GEC '09: Proceedings of the first ACM/SIGEVO Summit on Genetic and Evolutionary Computation*, pp. 135–140, New York, NY, USA, 2009, ACM.

M. Gong, L. Jiao, and W. Ma, Large-scale optimization using immune algorithm, in *GEC '09: Proceedings of the first ACM/SIGEVO Summit on Genetic and Evolutionary Computation*, pp. 149–156, New York, NY, USA, 2009, ACM.

M. Gong, L. Jiao, and W. Ma, Orthogonal immune algorithm with diversity-based selection for numerical optimization, in *GEC '09: Proceedings of the first ACM/SIGEVO Summit on Genetic and Evolutionary Computation*, pp. 141–148, New York, NY, USA, 2009, ACM.

[Ding et al. 2009a]

[Ding et al. 2009b]

[Du et al. 2009]

[Dupuis et al. 2009]

[Fan et al. 2009]

[Fang et al. 2009]

[Feng and Xu 2009]

[Gan et al. 2009]

[Gong et al. 2009a]

[Gong et al. 2009b]

[Gu and Ding 2009]

[Gu et al. 2009a]

[Gu et al. 2009b]

[Gu et al. 2009c]

[Guo et al. 2009a]

[Guo et al. 2009b]

[Guo et al. 2009c]

[Guo et al. 2009d]

[He et al. 2009]

[Hongfeng et al. 2009]

- Q. Gu and Y. Ding, Binary particle swarm optimization based prediction of g-protein-coupled receptor families with feature selection, in *GEC '09: Proceedings of the first ACM/SIGEVO Summit on Genetic and Evolutionary Computation*, pp. 171–176, New York, NY, USA, 2009, ACM.
- F. Gu, H.-l. Liu, and W. Liu, A bounded diameter minimum spanning tree evolutionaryalgorithm based on double chromosome, in *GEC '09: Proceedings of the first ACM/SIGEVO Summit on Genetic and Evolutionary Computation*, pp. 157–162, New York, NY, USA, 2009, ACM.
- J. Gu, C. Cao, B. Jiao, and X. Gu, An improved quantum genetic algorithm for stochastic flexible scheduling problem with breakdown, in *GEC '09: Proceedings of the first ACM/SIGEVO Summit on Genetic and Evolutionary Computation*, pp. 163–170, New York, NY, USA, 2009, ACM.
- J. Gu, C. Cao, B. Jiao, and X. Gu, An improved quantum genetic algorithm for stochastic job shop problem, in *GEC '09: Proceedings of the first ACM/SIGEVO Summit on Genetic and Evolutionary Computation*, pp. 827–830, New York, NY, USA, 2009, ACM.
- J.-p. Guo, W.-h. Li, and F. Gao, Descriptive statistics of non-uniform interval symbolic data, in *GEC '09: Proceedings of the first ACM/SIGEVO Summit on Genetic and Evolutionary Computation*, pp. 831–834, New York, NY, USA, 2009, ACM.
- L. Guo, D. Rivero, J. A. Seoane, and A. Pazos, Classification of eeg signals using relative wavelet energy and artificial neural networks, in *GEC '09: Proceedings of the first ACM/SIGEVO Summit on Genetic and Evolutionary Computation*, pp. 177–184, New York, NY, USA, 2009, ACM.
- Y.-n. Guo, J. Cheng, and Y. Lin, Cooperative interactive cultural algorithms adopting knowledge migration, in *GEC '09: Proceedings of the first ACM/SIGEVO Summit on Genetic and Evolutionary Computation*, pp. 193–200, New York, NY, USA, 2009, ACM.
- Y.-n. Guo, M. Yang, and J. Cheng, Path planning method for robots in complex ground environment based on cultural algorithm, in *GEC '09: Proceedings of the first ACM/SIGEVO Summit on Genetic and Evolutionary Computation*, pp. 185–192, New York, NY, USA, 2009, ACM.
- G. He, Y. Li, Z. Shi, and T. Hu, Intrinsic evolution of digital circuits using evolutionary algorithms, in *GEC '09: Proceedings of the first ACM/SIGEVO Summit on Genetic and Evolutionary Computation*, pp. 201–208, New York, NY, USA, 2009, ACM.
- X. Hongfeng, T. Guanzheng, and H. Jingui, Large scale function optimization or high-dimension function optimization in large using simplex-based genetic algorithm, in *GEC '09: Proceedings of the first ACM/SIGEVO Summit on Genetic and Evolutionary Computation*, pp. 209–216, New York, NY, USA, 2009, ACM.

[Hu et al. 2009a] H. Hu, L. Xu, and Q. Hu, Model-based compromise control of greenhouse climate using pareto optimization, in GEC '09: Proceedings of the first ACM/SIGEVO Summit on Genetic and Evolutionary Computation, pp. 217–222, New York, NY, USA, 2009, ACM. [Hu et al. 2009b] Q. Hu, L. Xu, and E. D. Goodman, Non-even spread nsgaii and its application to conflicting multi-objective compatible control, in GEC '09: Proceedings of the first ACM/SIGEVO Summit on Genetic and Evolutionary Computation, pp. 223-230, New York, NY, USA, 2009, ACM. [Huang et al. 2009a] F. Huang, J. Gu, and J. Xu, The optimum method on injection molding condition based on rbf network and ant colony algorithm, in GEC '09: Proceedings of the first ACM/SIGEVO Summit on Genetic and Evolutionary Computation, pp. 835-838, New York, NY, USA, 2009, ACM. [Huang et al. 2009b] M. Huang, Y. Cui, X. Wang, and H. Dong, A genetic algorithm for solving fourth-party logistics routing optimizing problem with fuzzy duration time, in GEC '09: Proceedings of the first ACM/SIGEVO Summit on Genetic and Evolutionary Computation, pp. 839–842, New York, NY, USA, 2009, ACM. [Huang et al. 2009c] M. Huang, H.-y. Dong, X.-w. Wang, B.-l. Zheng, and W. H. Ip, Guided variable neighborhood harmony search for integrated charge planning in primary steelmaking processes, in GEC '09: Proceedings of the first ACM/SIGEVO Summit on Genetic and Evolutionary Computation, pp. 231–238, New York, NY, USA, 2009, ACM. [Irene et al. 2009] H. S. F. Irene, S. Deris, M. Hashim, and S. Zaiton, University course timetable planning using hybrid particle swarm optimization, in GEC '09: Proceedings of the first ACM/SIGEVO Summit on Genetic and Evolutionary Computation, pp. 239–246, New York, NY, USA, 2009, ACM. [Jiang et al. 2009a] F. Jiang, H. Berry, and M. Schoenauer, The impact of network topology on self-organizing maps, in GEC '09: Proceedings of the first ACM/SIGEVO Summit on Genetic and Evolutionary Computation, pp. 247–254, New York, NY, USA, 2009, ACM. [Jiang et al. 2009b] H. Jiang, Z. Yuan, and Y. Zhao, Research on flight test calibration strategy based on data fusion, in GEC '09: Proceedings of the first ACM/SIGEVO Summit on Genetic and Evolutionary Computation, pp. 843–846, New York, NY, USA, 2009, ACM. [Jin et al. 2009] L. Jin, J. Jia, G. Chang, and X. Wang, Restoration of coverage blind spots in wireless sensor networks based on ant colony algorithm, in GEC '09: Proceedings of the first ACM/SIGEVO Summit on Genetic and Evolutionary Computation, pp. 847-

[Karshenas et al. 2009]

850, New York, NY, USA, 2009, ACM.

H. Karshenas, A. Nikanjam, B. H. Helmi, and A. T. Rahmani, Combinatorial effects of local structures and scoring metrics in bayesian optimization algorithm, in *GEC '09: Proceedings of the first ACM/SIGEVO Summit on Genetic and Evolutionary Computation*, pp. 263–270, New York, NY, USA, 2009, ACM.

[Kim and Yoon 2009]	YH. Kim and Y. Yoon, Representation and recombination over nonsingular binary matrices, in <i>GEC '09: Proceedings of the first ACM/SIGEVO Summit on Genetic and Evolutionary Computation</i> , pp. 855–858, New York, NY, USA, 2009, ACM.
[Korns 2009]	M. F. Korns, Symbolic regression using abstract expression grammars, in <i>GEC '09: Proceedings of the first ACM/SIGEVO Summit on Genetic and Evolutionary Computation</i> , pp. 859–862, New York, NY, USA, 2009, ACM.
[Li and Kong 2009]	L. Li and F. Kong, Synchronization analysis and control in chaos system based on complex network, in <i>GEC '09: Proceedings of the first ACM/SIGEVO Summit on Genetic and Evolutionary Computation</i> , pp. 863–866, New York, NY, USA, 2009, ACM.
[Li and Wang 2009]	Lp. Li and L. Wang, Hybrid algorithms based on harmony search and differential evolution for global optimization, in <i>GEC '09: Proceedings of the first ACM/SIGEVO Summit on Genetic and Evolutionary Computation</i> , pp. 271–278, New York, NY, USA, 2009, ACM.
[Li et al. 2009a]	X. Li, Z. Mao, and E. Qi, Research on multi-supplier performance measurement based on genetic ant colony algorithm, in <i>GEC '09: Proceedings of the first ACM/SIGEVO Summit on Genetic and Evolutionary Computation</i> , pp. 867–870, New York, NY, USA, 2009, ACM.
[Li et al. 2009b]	Y. Li, H. Shi, M. Gong, and R. Shang, Quantum-inspired evolutionary clustering algorithm based on manifold distance, in <i>GEC '09: Proceedings of the first ACM/SIGEVO Summit on Genetic and Evolutionary Computation</i> , pp. 871–874, New York, NY, USA, 2009, ACM.
[Li et al. 2009c]	Z. Li, S. Liu, D. Xiao, J. Chen, and K. Li, Multi-objective particle swarm optimization algorithm based on game strategies, in <i>GEC '09: Proceedings of the first ACM/SIGEVO Summit on Genetic and Evolutionary Computation</i> , pp. 287–294, New York, NY, USA, 2009, ACM.
[Li et al. 2009d]	Z. Li, Y. Wang, K. K. Olivier, J. Chen, and K. Li, The cloud-based framework for ant colony optimization, in <i>GEC '09: Proceedings of the first ACM/SIGEVO Summit on Genetic and Evolutionary Computation</i> , pp. 279–286, New York, NY, USA, 2009, ACM.
[Li et al. 2009e]	Z. Li, B. Xu, L. Yang, J. Chen, and K. Li, Quantum evolutionary algorithm for multi-robot coalition formation, in <i>GEC '09: Proceedings of the first ACM/SIGEVO Summit on Genetic and Evolutionary Computation</i> , pp. 295–302, New York, NY, USA, 2009, ACM.
[Liang and Xu 2009a]	Y. Liang and L. Xu, Global path planning for mobile robot based genetic algorithm and modified simulated annealing algorithm, in <i>GEC '09: Proceedings of the first ACM/SIGEVO Summit on Genetic and Evolutionary Computation</i> , pp. 303–308, New York, NY, USA, 2009, ACM.
[Liang and Xu 2009b]	Y. Liang and L. Xu, Mobile robot global path planning using hybrid modified simulated annealing optimization algorithm.

hybrid modified simulated annealing optimization algorithm,

in GEC '09: Proceedings of the first ACM/SIGEVO Summit on Genetic and Evolutionary Computation, pp. 309–314, New York, NY, USA, 2009, ACM.

J. Lin, S. Chen, Y. Cao, and H. Guan, Parameters optimization on dent around fuel filler of auto rear fender based on intelligent algorithm, in *GEC '09: Proceedings of the first ACM/SIGEVO Summit on Genetic and Evolutionary Computation*, pp. 321–328, New York, NY, USA, 2009, ACM.

C. Lin, An immune algorithm for complex fuzzy cognitive map partitioning, in *GEC '09: Proceedings of the first ACM/SIGEVO Summit on Genetic and Evolutionary Computation*, pp. 315–320, New York, NY, USA, 2009, ACM.

B. Liu, Y. Ding, and J. Wang, A collaborative optimized genetic algorithm based on regulation mechanism of neuroendocrine-immune system, in *GEC '09: Proceedings of the first ACM/SIGEVO Summit on Genetic and Evolutionary Computation*, pp. 329–336, New York, NY, USA, 2009, ACM.

C. Liu, W. Wan, and Y. Wu, Image based reconstruction using hybrid optimization of simulated annealing and genetic algorithm, in *GEC '09: Proceedings of the first ACM/SIGEVO Summit on Genetic and Evolutionary Computation*, pp. 875–878, New York, NY, USA, 2009, ACM.

F. Liu, Y. Qi, Z. Xia, and H. Hao, Discrete differential evolution algorithm for the job shop scheduling problem, in *GEC '09: Proceedings of the first ACM/SIGEVO Summit on Genetic and Evolutionary Computation*, pp. 879–882, New York, NY, USA, 2009, ACM.

F. Liu, W. Zhang, Y. Ding, X. Liu, M. Zheng, and Y. Liu, Dynamictrust: three-dimensional dynamic computing model of trust in peer-to-peer networks, in *GEC '09: Proceedings of the first ACM/SIGEVO Summit on Genetic and Evolutionary Computation*, pp. 337–344, New York, NY, USA, 2009, ACM.

H. Liu, S. Xiong, and Q. Chen, Training fuzzy support vector machines by using boundary of rough set, in *GEC '09: Proceedings of the first ACM/SIGEVO Summit on Genetic and Evolutionary Computation*, pp. 883–886, New York, NY, USA, 2009, ACM.

J. Liu, Z. Fan, and E. Goodman, Srde: an improved differential evolution based on stochastic ranking, in *GEC '09: Proceedings of the first ACM/SIGEVO Summit on Genetic and Evolutionary Computation*, pp. 345–352, New York, NY, USA, 2009, ACM.

R. Liu, Y. Li, W. Zhang, and L. Jiao, Stochastic ranking based differential evolution algorithm for constrained optimization problem, in *GEC '09: Proceedings of the first ACM/SIGEVO Summit on Genetic and Evolutionary Computation*, pp. 887–890, New York, NY, USA, 2009, ACM.

S. Liu, Y.-y. Qiao, and Q.-k. Wen, Segmentation of multispectral remote sensing images based on ant colony optimization algorithm, in GEC '09: Proceedings of the

[Lin et al. 2009]

[Lin 2009]

[Liu et al. 2009a]

[Liu et al. 2009b]

[Liu et al. 2009c]

[Liu et al. 2009d]

[Liu et al. 2009e]

[Liu et al. 2009f]

[Liu et al. 2009g]

[Liu et al. 2009h]

first ACM/SIGEVO Summit on Genetic and Evolutionary Computation, pp. 891–894, New York, NY, USA, 2009, ACM.

W. Liu, M. Li, Y. Liu, Y. Xu, and X. Yang, Decision of optimal scheduling scheme for gas field pipeline network based on hybrid genetic algorithm, in *GEC '09: Proceedings of the first ACM/SIGEVO Summit on Genetic and Evolutionary Computation*, pp. 369–374, New York, NY, USA, 2009, ACM.

W. Liu, M. Wu, J. Peng, and G. Wang, Designing fair flow fuzzy controller using genetic algorithm for computer networks, in *GEC '09: Proceedings of the first ACM/SIGEVO Summit on Genetic and Evolutionary Computation*, pp. 361–368, New York, NY, USA, 2009, ACM.

X. Liu, J. Hu, S. Teng, L. Zhao, and G. Liu, The design of three-motor intelligent synchronous decoupling control system, in *GEC '09: Proceedings of the first ACM/SIGEVO Summit on Genetic and Evolutionary Computation*, pp. 375–380, New York, NY, USA, 2009, ACM.

Y. Liu, S. Xiong, and H. Liu, Hybrid simulated annealing algorithm based on adaptive cooling schedule for tsp, in *GEC '09: Proceedings of the first ACM/SIGEVO Summit on Genetic and Evolutionary Computation*, pp. 895–898, New York, NY, USA, 2009, ACM.

Y. Liu, D. Zhang, and S. C. Leung, A simulated annealing algorithm with a new neighborhood structure for the timetabling problem, in *GEC '09: Proceedings of the first ACM/SIGEVO Summit on Genetic and Evolutionary Computation*, pp. 381–386, New York, NY, USA, 2009, ACM.

J. Longeun, W. Wanggen, C. Bin, Y. Xiaoqing, and X. Hongwei, A new multimedia information data mining method, in *GEC '09: Proceedings of the first ACM/SIGEVO Summit on Genetic and Evolutionary Computation*, pp. 899–902, New York, NY, USA, 2009, ACM.

F.-Q. LU, M. Huang, W.-K. Ching, X.-W. Wang, and X.-l. Sun, Multi-swarm particle swarm optimization based risk management model for virtual enterprise, in *GEC '09: Proceedings of the first ACM/SIGEVO Summit on Genetic and Evolutionary Computation*, pp. 387–392, New York, NY, USA, 2009, ACM.

Q. Lu, X.-n. Qiu, and S.-r. Liu, A discrete particle swarm optimization algorithm with fully communicated information, in *GEC '09: Proceedings of the first ACM/SIGEVO Summit on Genetic and Evolutionary Computation*, pp. 393–400, New York, NY, USA, 2009, ACM.

G.-C. Luh and C.-C. Hsieh, Face recognition using immune network based on principal component analysis, in *GEC '09: Proceedings of the first ACM/SIGEVO Summit on Genetic and Evolutionary Computation*, pp. 401–408, New York, NY, USA, 2009, ACM.

X. Luo, Y. Peng, and W. Wei, Research on stronger convergence in probability of immune genetic algorithm, in

[Liu et al. 2009i]

[Liu et al. 2009j]

[Liu et al. 2009k]

[Liu et al. 20091]

[Liu et al. 2009m]

[Longcun et al. 2009]

[LU et al. 2009a]

[Lu et al. 2009b]

[Luh and Hsieh 2009]

[Luo et al. 2009a]

GEC '09: Proceedings of the first ACM/SIGEVO Summit on Genetic and Evolutionary Computation, pp. 1009–1012, New York, NY, USA, 2009, ACM.

X. Luo, Z. Sun, X. Zhang, L. Hu, and C. Wang, Hybrid eda-based optimal attitude control for a spacecraft in a class of control task, in *GEC '09: Proceedings of the first ACM/SIGEVO Summit on Genetic and Evolutionary Computation*, pp. 903–906, New York, NY, USA, 2009, ACM.

S. Lv, S. Wang, and X. Wang, Emotional speech synthesis by xml file using interactive genetic algorithms, in *GEC '09: Proceedings of the first ACM/SIGEVO Summit on Genetic and Evolutionary Computation*, pp. 907–910, New York, NY, USA, 2009, ACM.

X. Ma, G. Mu, and X. Yu, Kernel-based immunity synergetic network for image classification, in *GEC '09: Proceedings of the first ACM/SIGEVO Summit on Genetic and Evolutionary Computation*, pp. 409–414, New York, NY, USA, 2009, ACM.

X. Ma, W. Wan, and L. Jiao, Spectral clustering ensemble for image segmentation, in *GEC '09: Proceedings of the first ACM/SIGEVO Summit on Genetic and Evolutionary Computation*, pp. 415–420, New York, NY, USA, 2009, ACM.

H. Min, J. Zeng, and R. Luo, Fuzzy cmac with automatic state partition for reinforcementlearning, in *GEC '09: Proceedings of the first ACM/SIGEVO Summit on Genetic and Evolutionary Computation*, pp. 421–428, New York, NY, USA, 2009, ACM.

J. C. Mushi and G. Tan, So-antnet for improving load sharing in manet, in *GEC '09: Proceedings of the first ACM/SIGEVO Summit on Genetic and Evolutionary Computation*, pp. 429–436, New York, NY, USA, 2009, ACM.

B. Ning, X. Cao, Y. Xu, and J. Zhang, Virus-evolutionary genetic algorithm based selective ensemble classifier for pedestrian detection, in *GEC '09: Proceedings of the first ACM/SIGEVO Summit on Genetic and Evolutionary Computation*, pp. 437–442, New York, NY, USA, 2009, ACM.

A. Otsuki and K. Okada, The study of the knowledge optimization tool, in *GEC '09: Proceedings of the first ACM/SIGEVO Summit on Genetic and Evolutionary Computation*, pp. 443–450, New York, NY, USA, 2009, ACM.

M. Ozkan, A. Yazici, M. Kapanoglu, and O. Parlaktuna, Hierarchical oriented genetic algorithms for coverage path planning of multi-robot teams with load balancing, in *GEC '09: Proceedings of the first ACM/SIGEVO Summit on Genetic and Evolutionary Computation*, pp. 451–458, New York, NY, USA, 2009, ACM.

P. S. Pa and S. C. Chang, Computational model design and performance estimation in registration brake control, in *GEC '09: Proceedings of the first ACM/SIGEVO Summit on Genetic and Evolutionary Computation*, pp. 911–914, New York, NY, USA, 2009, ACM.

[Luo et al. 2009b]

[Lv et al. 2009]

[Ma et al. 2009a]

[Ma et al. 2009b]

[Min et al. 2009]

[Mushi and Tan 2009]

[Ning et al. 2009]

[Otsuki and Okada 2009]

[Ozkan et al. 2009]

[Pa and Chang 2009]

[Pan et al. 2009] F. Pan, G. Wang, and Y. Liu, A multi-objective-based nonstationary uav assignment model for constraints handling using pso, in GEC '09: Proceedings of the first ACM/SIGEVO Summit on Genetic and Evolutionary Computation, pp. 459-466, New York, NY, USA, 2009, ACM. [Parsopoulos 2009] K. E. Parsopoulos, Cooperative micro-particle swarm optimization, inGEC '09: Proceedings of the first ACM/SIGEVO Summit on Genetic and Evolutionary Computation, pp. 467–474, New York, NY, USA, 2009, ACM. [Peng et al. 2009a] Y. Peng, X. Luo, and W. Wei, Discussion on convergence of a fuzzy adaptive simulated annealing genetic algorithm, in GEC '09: Proceedings of the first ACM/SIGEVO Summit on Genetic and Evolutionary Computation, pp. 915–918, New York, NY, USA, 2009, ACM. [Peng et al. 2009b] Y. Peng, D. Zhang, and F. Y. Chin, A hybrid simulated annealing algorithm for container loading problem. GEC '09: Proceedings of the first ACM/SIGEVO Summit on Genetic and Evolutionary Computation, pp. 919-928, New York, NY, USA, 2009, ACM. [Pullan 2009] W. Pullan, A population based hybrid meta-heuristic for the uncapacitated facility location problem, in GEC '09: Proceedings of the first ACM/SIGEVO Summit on Genetic and Evolutionary Computation, pp. 475–482, New York, NY, USA, 2009, ACM. J. Qi, S. Shao, and Z. Rong, [Qi et al. 2009] Feedback-control modeling for cellualr response mechanisms based on a gene regulatory networks under radiotherapy, in GEC '09: Proceedings of the first ACM/SIGEVO Summit on Genetic and Evolutionary Computation, pp. 933–936, New York, NY, USA, 2009, ACM. [Qian et al. 2009] X. Qian, T. Shengjing, and G. Jie, Evolutionary algorithm for multi-objective optimization and its application in unmanned flight vehicle trajectory control, in GEC '09: Proceedings of the first ACM/SIGEVO Summit on Genetic and Evolutionary Computation, pp. 937–940, New York, NY, USA, 2009, ACM. [Qin 2009] S. Qin, Log-optimal portfolio models with risk control of var and cvar using genetic algorithms, in GEC '09: Proceedings of the first ACM/SIGEVO Summit on Genetic and Evolutionary Computation, pp. 941–944, New York, NY, USA, 2009, ACM. [Qiu and Lu 2009] X. Qiu and Q. Lu, Target tracking and localization of binocular mobile robot using camshift and sift, in GEC '09: Proceedings of the first ACM/SIGEVO Summit on Genetic and Evolutionary Computation, pp. 483–488, New York, NY, USA, 2009, ACM.

O. Rokhlenko and Y. Wexler, Embedded self-adaptation to escape from local optima, in *GEC '09: Proceedings of the first ACM/SIGEVO Summit on Genetic and Evolutionary Computation*, pp. 489–496, New York, NY, USA, 2009, ACM.

I. Sekaj and M. Oravec, Selected population characteristics of fine-grained parallel genetic algorithms with re-initialization, in GEC '09: Proceedings of the first ACM/SIGEVO Summit

[Rokhlenko and Wexler 2009]

[Sekaj and Oravec 2009]

on Genetic and Evolutionary Computation, pp. 945–948, New York, NY, USA, 2009, ACM.

C. C. Seng, C. C. Lian, L. K. M. Spencer, and O. W. S. Darren, A co-evolutionary approach for military operational analysis, in *GEC '09: Proceedings of the first ACM/SIGEVO Summit on Genetic and Evolutionary Computation*, pp. 67–74, New York, NY, USA, 2009, ACM.

H. Shen, Y. Zhu, X. Zhou, H. Guo, and C. Chang, Bacterial foraging optimization algorithm with particle swarm optimization strategy for global numerical optimization, in *GEC '09: Proceedings of the first ACM/SIGEVO Summit on Genetic and Evolutionary Computation*, pp. 497–504, New York, NY, USA, 2009, ACM.

J.-h. Shen, C.-x. Li, and J.-h. Li, Structural damping identification using analytic wavelet transformation, in *GEC '09: Proceedings of the first ACM/SIGEVO Summit on Genetic and Evolutionary Computation*, pp. 949–952, New York, NY, USA, 2009, ACM.

R. E. Smith and M. K. Jiang, Milcs in protein structure prediction with default hierarchies, in *GEC '09: Proceedings of the first ACM/SIGEVO Summit on Genetic and Evolutionary Computation*, pp. 953–956, New York, NY, USA, 2009, ACM.

B. Su and Y.-D. Shen, Maximum margin transfer learning, in *GEC '09: Proceedings of the first ACM/SIGEVO Summit on Genetic and Evolutionary Computation*, pp. 957–960, New York, NY, USA, 2009, ACM.

X. Sun, M. Huang, X. Wang, and F. Lu, Distributed risk management model and algorithm for virtual enterprise with private information, in *GEC '09: Proceedings of the first ACM/SIGEVO Summit on Genetic and Evolutionary Computation*, pp. 965–968, New York, NY, USA, 2009, ACM.

Y. Sun, G. Qi, Z. Wang, B. J. van Wyk, and Y. Hamam, Chaotic particle swarm optimization, in *GEC '09: Proceedings of the first ACM/SIGEVO Summit on Genetic and Evolutionary Computation*, pp. 505–510, New York, NY, USA, 2009, ACM.

S. Sun, Traffic flow forecasting based on multitask ensemble learning, in *GEC '09: Proceedings of the first ACM/SIGEVO Summit on Genetic and Evolutionary Computation*, pp. 961–964, New York, NY, USA, 2009, ACM.

L. Tan and L. Guo, Quantum and biogeography based optimization for a class of combinatorial optimization, in *GEC '09: Proceedings of the first ACM/SIGEVO Summit on Genetic and Evolutionary Computation*, pp. 969–972, New York, NY, USA, 2009, ACM.

Y. Tan, T. Zhao, and Z. Zhao, Using ga-ann algorithm to predicate coal bump energy, in *GEC '09: Proceedings of the first ACM/SIGEVO Summit on Genetic and Evolutionary Computation*, pp. 973–976, New York, NY, USA, 2009, ACM.

[Seng et al. 2009]

[Shen et al. 2009a]

[Shen et al. 2009b]

[Smith and Jiang 2009]

[Su and Shen 2009]

[Sun et al. 2009a]

[Sun et al. 2009b]

[Sun 2009]

[Tan and Guo 2009]

[Tan et al. 2009]

[Tang et al. 2009]

[Unachak and Goodman 2009]

[Wan et al. 2009]

[Wang and Loo 2009]

[Wang et al. 2009a]

[Wang et al. 2009b]

[Wang et al. 2009c]

[Wang et al. 2009d]

[Wang et al. 2009e]

[Wang et al. 2009f]

- J. Tang, S. Alam, H. Abbass, and C. Lokan, Modelling and evolutionary multi-objective evaluation of interdependencies and work processes in airport operations, in *GEC '09: Proceedings of the first ACM/SIGEVO Summit on Genetic and Evolutionary Computation*, pp. 977–984, New York, NY, USA, 2009, ACM.
- P. Unachak and E. Goodman, Adaptive representation for flexible job-shop scheduling and rescheduling, in *GEC '09: Proceedings of the first ACM/SIGEVO Summit on Genetic and Evolutionary Computation*, pp. 511–516, New York, NY, USA, 2009, ACM.
- S. Wan, Y. Hao, and D. Qiu, Research on vrp using advanced probability learning based evolutionary algorithm, in *GEC '09: Proceedings of the first ACM/SIGEVO Summit on Genetic and Evolutionary Computation*, pp. 517–520, New York, NY, USA, 2009, ACM.
- J. Wang and S. M. Loo, Case study of finite resource optimization in fpga using genetic algorithm, in *GEC '09: Proceedings of the first ACM/SIGEVO Summit on Genetic and Evolutionary Computation*, pp. 989–992, New York, NY, USA, 2009, ACM.
- F. Wang, Z. Lin, C. Yang, and Y. Li, Sgmit: using selfish gene theory to construct mutualinformation trees for optimization, in *GEC '09: Proceedings of the first ACM/SIGEVO Summit on Genetic and Evolutionary Computation*, pp. 521–528, New York, NY, USA, 2009, ACM.
- H. Wang, H. Qi, W. Li, G. Zhang, and P. Wang, A gabased automatic pore segmentation algorithm, in *GEC '09: Proceedings of the first ACM/SIGEVO Summit on Genetic and Evolutionary Computation*, pp. 985–988, New York, NY, USA, 2009, ACM.
- H. Wang, G. Teng, Z. Zhang, and G. Wang, A low cost hardware oriented motion estimation algorithm for hdtv, in *GEC '09: Proceedings of the first ACM/SIGEVO Summit on Genetic and Evolutionary Computation*, pp. 529–536, New York, NY, USA, 2009, ACM.
- H. Wang, Z. Wu, Y. Liu, J. Wang, D. Jiang, and L. Chen, Space transformation search: a new evolutionary technique, in *GEC '09: Proceedings of the first ACM/SIGEVO Summit on Genetic and Evolutionary Computation*, pp. 537–544, New York, NY, USA, 2009, ACM.
- L. Wang, X. Wang, and M. Fei, A novel quantum-inspired pseudorandom proportional evolutionary algorithm for the multidimensional knapsack problem, in *GEC '09: Proceedings of the first ACM/SIGEVO Summit on Genetic and Evolutionary Computation*, pp. 545–552, New York, NY, USA, 2009, ACM.
- L.-F. Wang, J.-C. Zeng, and Y. Hong, Estimation of distribution algorithm based on archimedean copulas, in *GEC '09: Proceedings of the first ACM/SIGEVO Summit on Genetic and Evolutionary Computation*, pp. 993–996, New York, NY, USA, 2009, ACM.

X. Wang, W. Wan, and X. Yu, Rough set approximate [Wang et al. 2009g] entropy reducts with order based particle swarm optimization, in GEC '09: Proceedings of the first ACM/SIGEVO Summit on Genetic and Evolutionary Computation, pp. 553–560, New York, NY, USA, 2009, ACM. [Wang et al. 2009h] Y. Wang, J. Wang, W. Du, C. Zhang, Y. Zhang, and C. Zhou, Parameters optimization of support vector regression based on immune particle swarm optimization algorithm, in GEC '09: Proceedings of the first ACM/SIGEVO Summit on Genetic and Evolutionary Computation, pp. 997–1000, New York, NY, USA, 2009, ACM. [Wang et al. 2009i] Y.-f. Wang, Y. Wang, and C.-v. Mu, Nodes localization in sensor networks based on vectors and particle swarm optimization, in GEC '09: Proceedings of the first ACM/SIGEVO Summit on Genetic and Evolutionary Computation, pp. 561–564, New York, NY, USA, 2009, ACM. [Wang et al. 2009j] Z. Wang, J.-l. Liu, and X. Yu, Self-fertilization based genetic algorithm for university timetabling problem, in GEC '09: Proceedings of the first ACM/SIGEVO Summit on Genetic and Evolutionary Computation, pp. 1001–1004, New York, NY, USA, 2009, ACM. [Wang et al. 2009k] Z.-L. Wang, Z.-H. Chen, and H.-Y. Chen, A novel robust background modeling algorithm for complex natural scenes, in GEC '09: Proceedings of the first ACM/SIGEVO Summit on Genetic and Evolutionary Computation, pp. 565–570, New York, NY, USA, 2009, ACM. [Weihua and Minrui 2009] D. Weihua and F. Minrui, Dynamic output feedback control of uncertain networked control systems, in GEC '09: Proceedings of the first ACM/SIGEVO Summit on Genetic and Evolutionary Computation, pp. 571–576, New York, NY, USA, 2009, ACM. T. Weise and M. Zapf, Evolving distributed algorithms with [Weise and Zapf 2009] genetic programming: election, in GEC '09: Proceedings of the first ACM/SIGEVO Summit on Genetic and Evolutionary Computation, pp. 577–584, New York, NY, USA, 2009, ACM. [Wen et al. 2009] L. Wen, G. Liu, and Y. Zhao, Hs-model: a hierarchical statistical subtree-generating model for genetic programming, in GEC '09: Proceedings of the first ACM/SIGEVO Summit on Genetic and Evolutionary Computation, pp. 1005–1008, New York, NY, USA, 2009, ACM. [Woodward and Bai 2009a] J. R. Woodward and R. Bai, Canonical representation genetic programming, in GEC '09: Proceedings of the first ACM/SIGEVO Summit on Genetic and Evolutionary

genetic programming,

[Woodward and Bai 2009b]

J. R. Woodward and R. Bai,

Computation, pp. 585–592, New York, NY, USA, 2009, ACM.

a good paradigm for program induction: a critique of

first ACM/SIGEVO Summit on Genetic and Evolutionary Computation, pp. 593–600, New York, NY, USA, 2009, ACM.

Why evolution is not

in GEC '09: Proceedings of the

[Xie and Zeng 2009]	LP. Xie and JC. Zeng, A global optimization based on physicomimetics framework, in <i>GEC '09: Proceedings of the first ACM/SIGEVO Summit on Genetic and Evolutionary Computation</i> , pp. 609–616, New York, NY, USA, 2009, ACM.
[Xie et al. 2009a]	F. Xie, S. He, X. Liu, X. Li, J. Du, J. Yang, Y. Fu, Y. Chen, J. Wang, Z. Liu, and Q. Zhu, To create neuro-controlled game opponent from uct-created data, in <i>GEC '09: Proceedings of the first ACM/SIGEVO Summit on Genetic and Evolutionary Computation</i> , pp. 1013–1016, New York, NY, USA, 2009, ACM.
[Xie et al. 2009b]	L. Xie, Z. Wang, and K. Wu, The stability study of biped robot based on ga and neural network, in <i>GEC '09: Proceedings of the first ACM/SIGEVO Summit on Genetic and Evolutionary Computation</i> , pp. 617–622, New York, NY, USA, 2009, ACM.
[Xin et al. 2009]	B. Xin, J. Chen, and F. Pan, Problem difficulty analysis for particle swarm optimization: deception and modality, in <i>GEC '09: Proceedings of the first ACM/SIGEVO Summit on Genetic and Evolutionary Computation</i> , pp. 623–630, New York, NY, USA, 2009, ACM.
[Xu and Gu 2009]	W. Xu and X. Gu, A hybrid particle swarm optimization approach with prior crossover differential evolution, in <i>GEC '09: Proceedings of the first ACM/SIGEVO Summit on Genetic and Evolutionary Computation</i> , pp. 671–678, New York, NY, USA, 2009, ACM.
[Xu et al. 2009a]	B. Xu, W. Luo, X. Pei, M. Zhang, and X. Wang, On average time complexity of evolutionary negative selection algorithms for anomaly detection, in <i>GEC '09: Proceedings of the first ACM/SIGEVO Summit on Genetic and Evolutionary Computation</i> , pp. 631–638, New York, NY, USA, 2009, ACM.
[Xu et al. 2009b]	Hq. Xu, Ys. Ding, and Zh. Hu, Adaptive immune genetic algorithm for logic circuit design, in <i>GEC '09: Proceedings of the first ACM/SIGEVO Summit on Genetic and Evolutionary Computation</i> , pp. 639–644, New York, NY, USA, 2009, ACM.
[Xu et al. 2009c]	L. Xu, H. Hu, and B. Zhu, Energy-saving control of greenhouse climate based on mocc strategy, in <i>GEC '09: Proceedings of the first ACM/SIGEVO Summit on Genetic and Evolutionary Computation</i> , pp. 645–650, New York, NY, USA, 2009, ACM.
[Xu et al. 2009d]	L. Xu, B. Zhu, and E. D. Goodman, An improved mocc with feedback control structure based on preference, in <i>GEC '09: Proceedings of the first ACM/SIGEVO Summit on Genetic and Evolutionary Computation</i> , pp. 651–656, New York, NY, USA, 2009, ACM.
[Xu et al. 2009e]	Q. Xu, J. Si, and L. Wang, Association based immune network for multimodal function optimization, in GEC '09: Proceedings of the first ACM/SIGEVO Summit on Genetic and

C.-Y. Wu, C.-B. Zhang, and C.-J. Wang,

York, NY, USA, 2009, ACM.

optimization of structures using ant colony optimization, in GEC '09: Proceedings of the first ACM/SIGEVO Summit on Genetic and Evolutionary Computation, pp. 601-608, New

Topology

[Wu et al. 2009]

Evolutionary Computation, pp. 657–664, New York, NY, USA, 2009, ACM.

S. Xu, X. Zhou, and Y.-n. Sun, A genetic algorithm-based feature selection method for human identification based on ground reaction force, in *GEC '09: Proceedings of the first ACM/SIGEVO Summit on Genetic and Evolutionary Computation*, pp. 665–670, New York, NY, USA, 2009, ACM.

X. Xu, Y. Li, Y. Wu, and X. Du, Parameter estimation for asymptotic regression model by particle swarm optimization, in *GEC '09: Proceedings of the first ACM/SIGEVO Summit on Genetic and Evolutionary Computation*, pp. 679–686, New York, NY, USA, 2009, ACM.

Y. Xu, Y. Deli, and L. Yu, Efficient annealing -inspired genetic algorithm for information retrieval from web-document, in *GEC '09: Proceedings of the first ACM/SIGEVO Summit on Genetic and Evolutionary Computation*, pp. 1017–1020, New York, NY, USA, 2009, ACM.

Y. Xu, M. Y. H. Low, and C. S. Choo, Enhancing automated red teaming with evolvable simulation, in *GEC '09: Proceedings of the first ACM/SIGEVO Summit on Genetic and Evolutionary Computation*, pp. 687–694, New York, NY, USA, 2009, ACM.

Z. Xu, X. Gu, B. Jiao, and J. Gu, Research on job shop scheduling under uncertainty, in *GEC '09: Proceedings of the first ACM/SIGEVO Summit on Genetic and Evolutionary Computation*, pp. 695–702, New York, NY, USA, 2009, ACM.

S. Xue and J. Zeng, Controlling swarm robots with kinematic constraints for target search, in *GEC '09: Proceedings of the first ACM/SIGEVO Summit on Genetic and Evolutionary Computation*, pp. 1021–1024, New York, NY, USA, 2009, ACM.

S. Yan and Z. Sun, Design and analysis of switching full-order current observer and separation principle for t-s fuzzy system, in *GEC '09: Proceedings of the first ACM/SIGEVO Summit on Genetic and Evolutionary Computation*, pp. 709–716, New York, NY, USA, 2009, ACM.

P. Yan and L. Tang, Pso algorithm for a scheduling parallel unit batch process with batching, in *GEC '09: Proceedings of the first ACM/SIGEVO Summit on Genetic and Evolutionary Computation*, pp. 703–708, New York, NY, USA, 2009, ACM.

T. Yan, L. Shen, P. An, H. Wang, and Z. Zhang, Frame-layer rate control algorithm for multi-view video coding, in *GEC '09: Proceedings of the first ACM/SIGEVO Summit on Genetic and Evolutionary Computation*, pp. 1025–1028, New York, NY, USA, 2009, ACM.

K. Yang, J. Ye, Z. Li, and Y. Qiao, Free hand sketch understanding using syms-chain modeling for spatial and temporal patterns, in GEC '09: Proceedings of the first ACM/SIGEVO Summit on Genetic and Evolutionary Computation, pp. 1029–1032, New York, NY, USA, 2009, ACM.

[Xu et al. 2009f]

[Xu et al. 2009g]

[Xu et al. 2009h]

[Xu et al. 2009i]

[Xu et al. 2009j]

[Xue and Zeng 2009]

[Yan and Sun 2009]

[Yan and Tang 2009]

[Yan et al. 2009]

[Yang et al. 2009a]

[Yang et al. 2009b] Y. Yang, L. Xiaoping, P. Yonggang, and W. Wei, Research of fuzzy control strategy on artificial climate chest, in GEC '09: Proceedings of the first ACM/SIGEVO Summit on Genetic and Evolutionary Computation, pp. 1033–1036, New York, NY, USA, 2009, ACM. [Yong and Zhimin 2009] S. Yong and L. Zhimin, Optimal multi-objective design of power system damping controller using synergy of bacterial forging and particle swarm optimization, in GEC '09: Proceedings of the first ACM/SIGEVO Summit on Genetic and Evolutionary Computation, pp. 1037–1040, New York, NY, USA, 2009, ACM. B. Yu, S. Zeng, S. Gao, Z. Yan, Y. Shi, X. Yang, and [Yu et al. 2009a] B. Xiao, A dynamic evolutionary algorithm and its application in automated antenna design, in GEC '09: Proceedings of the first ACM/SIGEVO Summit on Genetic and Evolutionary Computation, pp. 929–932, New York, NY, USA, 2009, ACM. S. Yu, X. Cao, M. Hu, W. Du, and J. Zhang, [Yu et al. 2009b] time schedule method for aircraft landing scheduling problem based on cellular automaton, in GEC '09: Proceedings of the first ACM/SIGEVO Summit on Genetic and Evolutionary Computation, pp. 717–724, New York, NY, USA, 2009, ACM. [Yu et al. 2009c] Y.-M. Yu, G.-Q. Zhao, and J.-D. Liu, Hyperchaotic genetic algorithm theory and functions optimization, in GEC '09: Proceedings of the first ACM/SIGEVO Summit on Genetic and Evolutionary Computation, pp. 1041–1044, New York, NY, USA, 2009, ACM. R. Yuan, X. Zou, and C. Xu, A parallel evolutionary algorithm [Yuan et al. 2009] for optimal pulse-width modulation technique in power systems, in GEC '09: Proceedings of the first ACM/SIGEVO Summit on Genetic and Evolutionary Computation, pp. 725-730, New York, NY, USA, 2009, ACM. [Zeng et al. 2009a] L. Zeng, F. Zou, and X. Xu, Mathematical model and hybrid particle swarm optimization for flexible job-shop scheduling problem, in GEC '09: Proceedings of the first ACM/SIGEVO Summit on Genetic and Evolutionary Computation, pp. 731-736, New York, NY, USA, 2009, ACM. [Zeng et al. 2009b] W. Zeng, Y. Zhao, and J. Zeng, Cloud service and service selection algorithm research, in GEC '09: Proceedings of the first ACM/SIGEVO Summit on Genetic and Evolutionary Computation, pp. 1045–1048, New York, NY, USA, 2009, ACM. L. Zhang, Y. C. Jiao, H. Li, and F. S. Zhang, [Zhang et al. 2009a] differential evolution and the simplified quadratic interpolation for global optimization, in GEC '09: Proceedings of the

M. Zhang, S. Zhao, and X. Wang, A novel sexual adaptive genetic algorithm based on two-step evolutionary scenario of baldwin effect and analysis of global convergence, in *GEC '09: Proceedings of the first ACM/SIGEVO Summit on Genetic and*

first ACM/SIGEVO Summit on Genetic and Evolutionary Computation, pp. 1049–1052, New York, NY, USA, 2009,

ACM.

[Zhang et al. 2009b]

 $\label{eq:computation} Evolutionary\ Computation,\ pp.\ 737–744,\ New\ York,\ NY,\ USA,\ 2009,\ ACM.$

Q. Zhang, S. Liu, P. An, and Z. Zhang, Object segmentation based on disparity estimation, in *GEC '09: Proceedings of the first ACM/SIGEVO Summit on Genetic and Evolutionary Computation*, pp. 1053–1056, New York, NY, USA, 2009, ACM.

Q.-b. Zhang, T.-h. Wu, and B. Liu, A weight based compact genetic algorithm, in *GEC '09: Proceedings of the first ACM/SIGEVO Summit on Genetic and Evolutionary Computation*, pp. 1057–1060, New York, NY, USA, 2009, ACM.

S.-P. Zhang, Y.-S. Ding, and K.-R. Hao, An immune evolutionary algorithm based pose estimation method for parallel manipulator, in *GEC '09: Proceedings of the first ACM/SIGEVO Summit on Genetic and Evolutionary Computation*, pp. 745–750, New York, NY, USA, 2009, ACM.

X.-f. Zhang, J. Liu, and Y.-s. Ding, An immune co-evolutionary algorithm based approach for optimization control of gas turbine, in *GEC '09: Proceedings of the first ACM/SIGEVO Summit on Genetic and Evolutionary Computation*, pp. 751–756, New York, NY, USA, 2009, ACM.

Y. Zhao, J. Wang, and Y. Song, An improved differential evolution to continuous domains and its convergence, in *GEC '09: Proceedings of the first ACM/SIGEVO Summit on Genetic and Evolutionary Computation*, pp. 1061–1064, New York, NY, USA, 2009, ACM.

Q. Zhou, X. Cui, Z. Wang, and B. Yang, A hybrid optimization algorithm for the job-shop scheduling problem, in *GEC '09: Proceedings of the first ACM/SIGEVO Summit on Genetic and Evolutionary Computation*, pp. 757–764, New York, NY, USA, 2009, ACM.

Z. Zhou, S. Zhongke, and Y. Li, Study to short-term flow estimation at intersection base on genetic neural networks, in *GEC '09: Proceedings of the first ACM/SIGEVO Summit on Genetic and Evolutionary Computation*, pp. 1073–1076, New York, NY, USA, 2009, ACM.

M. Zhu and Y. Yang, An improved simulated annealing algorithm for vector quantizer design, in *GEC '09: Proceedings of the first ACM/SIGEVO Summit on Genetic and Evolutionary Computation*, pp. 1077–1080, New York, NY, USA, 2009, ACM.

Y. Zhu, Y. Ding, W. Li, and G. Kemp, A proposed modularized dna computer, based on biochips, in *GEC '09: Proceedings of the first ACM/SIGEVO Summit on Genetic and Evolutionary Computation*, pp. 773–780, New York, NY, USA, 2009, ACM.

W. Zhu, A study of parallel evolution strategy: pattern search on a gpu computing platform, in *GEC '09: Proceedings of the first ACM/SIGEVO Summit on Genetic and Evolutionary Computation*, pp. 765–772, New York, NY, USA, 2009, ACM.

[Zhang et al. 2009c]

[Zhang et al. 2009d]

[Zhang et al. 2009e]

[Zhang et al. 2009f]

[Zhao et al. 2009]

[Zhou et al. 2009a]

[Zhou et al. 2009b]

[Zhu and Yang 2009]

[Zhu et al. 2009]

[Zhu 2009]

[Zhuo et al. 2009]

J. Zhuo, J. Li, and G. Wu, Study of cache placement for time-shifted tv cluster using genetic algorithm, in GEC '09: Proceedings of the first ACM/SIGEVO Summit on Genetic and Evolutionary Computation, pp. 781–786, New York, NY, USA, 2009, ACM.