Список литературы

[1] Agrawal S, Bose SK, Sundarrajan S. 2009 Grouping genetic algorithm for solving the serverconsolidation 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: ACM. (doi: http://dx.doi.org/10.1145/1543834.1543836).

[2] Becker YL, O'Reilly UM. 2009 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: ACM. (doi:http://dx.doi.org/10.1145/1543834.1543837).

[3] Cao C, Gu J, Jiao B, Xin Z, Gu X. 2009 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: ACM. (doi:http://dx.doi.org/10.1145/1543834.1543838).

[4] Cao Y, Hu C, Li L. 2009 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: ACM. (doi:http://dx.doi.org/10.1145/1543834.1543839).

[5] Chen H, Zhou C, Zhu W. 2009 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: ACM. (doi:http://dx.doi.org/10.1145/1543834.1543840).

[6] Chen J, Jia J, Wen Y, zhao D, Liu J. 2009 A genetic approach to channel assignment for multi-radio multi-channel wireless mesh networks. In: *GEC '09: Proceedings of the first ACM/SIGEVO Summit on Genetic and Evolutionary Computation*, pp. 39–46. New York, NY, USA: ACM. (doi: http://dx.doi.org/10.1145/1543834.1543841).

[7] Chen J, Jia J, Wen Y, Zhao D, Liu J. 2009 Modeling and extending lifetime of wireless sensor networks using genetic algorithm. In: *GEC '09: Proceedings of the first ACM/SIGEVO Summit on Genetic and Evolutionary Computation*, pp. 47–54. New York, NY, USA: ACM. (doi:http://dx.doi.org/10.1145/1543834.1543842).

[8] Chen Q, Xiong S, Liu H. 2009 Particle swarm optimization algorithm based on dynamic memory strategy. In: *GEC '09: Proceedings of the first ACM/SIGEVO Summit on Genetic and Evolutionary Computation*, pp. 55–60. New York, NY, USA: ACM. (doi:http://dx.doi.org/10.1145/1543834.1543843).

[9] Chen Z, He Z, Zhang C. 2009 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: ACM. (doi:http://dx.doi.org/10.1145/1543834.1543844).

[10] Seng CC, Lian CC, Spencer LKM, Darren OWS. 2009 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: ACM. (doi:http://dx.doi.org/10.1145/1543834.1543845).

[11] Cullen JS. 2009 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: ACM. (doi:http://dx.doi.org/10.1145/1543834.1543846).

[12] Cullen JS. 2009 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: ACM. (doi:http://dx.doi.org/10.1145/1543834.1543847).

[13] Deng R, Jiang C, Yin F. 2009 Ant colony optimization for precedence-constrained heterogeneous multiprocessor assignment problem. In: *GEC '09: Proceedings of the first ACM/SIGEVO Summit on Genetic and Evolutionary Computation*, pp. 89–96. New York, NY, USA: ACM. (doi:http://dx.doi.org/10.1145/1543834.1543848).

[14] Ding G, Li L, Ju Y. 2009 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: ACM. (doi:http://dx.doi.org/10.1145/1543834.1543849).

[15] Dupuis JF, Fan Z, Goodman E. 2009 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: ACM. (doi:http://dx.doi.org/10.1145/1543834.1543850).

[16] Fan Q, Wang P, Huang J. 2009 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: ACM. (doi:http://dx.doi.org/10.1145/1543834.1543851).

[17] Fang X, Jiang C, Fan X. 2009 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: ACM. (doi:http://dx.doi.org/10.1145/1543834.1543852).

[18] Feng Z, Xu K. 2009 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: ACM. (doi:http://dx.doi.org/10.1145/1543834.1543853).

[19] Gan C, Ying-ying S, Cang-hui Z. 2009 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: ACM. (doi:http://dx.doi.org/10.1145/1543834.1543854).

[20] Gong M, Jiao L, Ma W. 2009 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: ACM. (doi:http://dx.doi.org/10.1145/1543834.1543855).

[21] Gong M, Jiao L, Ma W. 2009 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: ACM. (doi:http://dx.doi.org/10.1145/1543834.1543856).

[22] Gu F, Liu Hl, Liu W. 2009 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: ACM. (doi:http://dx.doi.org/10.1145/1543834.1543857).

[23] Gu J, Cao C, Jiao B, Gu X. 2009 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: ACM. (doi:http://dx.doi.org/10.1145/1543834.1543858).

[24] Gu Q, Ding Y. 2009 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: ACM. (doi:http://dx.doi.org/10.1145/1543834.1543859).

[25] Guo L, Rivero D, Seoane JA, Pazos A. 2009 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: ACM. (doi:http://dx.doi.org/10.1145/1543834.1543860).

[26] Guo Yn, Yang M, Cheng J. 2009 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: ACM. (doi: http://dx.doi.org/10.1145/1543834.1543861).

[27] Guo Yn, Cheng J, Lin Y. 2009 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: ACM. (doi:http://dx.doi.org/10.1145/1543834.1543862).

[28] He G, Li Y, Shi Z, Hu T. 2009 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: ACM. (doi:http://dx.doi.org/10.1145/1543834.1543863).

[29] Hongfeng X, Guanzheng T, Jingui H. 2009 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: ACM. (doi:http://dx.doi.org/10.1145/1543834.1543864).

[30] Hu H, Xu L, Hu Q. 2009 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: ACM. (doi:http://dx.doi.org/10.1145/1543834.1543865).

[31] Hu Q, Xu L, Goodman ED. 2009 Non-even spread nsga-ii 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: ACM. (doi: http://dx.doi.org/10.1145/1543834.1543866).

[32] Huang M, Dong Hy, Wang Xw, Zheng Bl, Ip WH. 2009 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: ACM. (doi:http://dx.doi.org/10.1145/1543834.1543867).

[33] Irene HSF, Deris S, Hashim M, Zaiton S. 2009 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: ACM. (doi: http://dx.doi.org/10.1145/1543834.1543868).

[34] Jiang F, Berry H, Schoenauer M. 2009 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: ACM. (doi:http://dx.doi.org/10.1145/1543834.1543869).

[35] Karshenas H, Nikanjam A, Helmi BH, Rahmani AT. 2009 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: ACM. (doi:http://dx.doi.org/10.1145/1543834.1543870).

[36] Li Lp, Wang L. 2009 Hybrid algorithms based on harmony search and differential evolution for global optimization. In: *GEC '09: Proceedings of the first ACM/SIGEVO Summit on Genetic and Evolutionary Computation*, pp. 271–278. New York, NY, USA: ACM. (doi:http://dx.doi.org/10.1145/1543834.1543871).

[37] Li Z, Wang Y, Olivier KK, Chen J, Li K. 2009 The cloud-based framework for ant colony optimization. In: *GEC '09: Proceedings of the first ACM/SIGEVO Summit on Genetic and Evolutionary Computation*, pp. 279–286. New York, NY, USA: ACM. (doi:http://dx.doi.org/10.1145/1543834.1543872).

[38] Li Z, Liu S, Xiao D, Chen J, Li K. 2009 Multi-objective particle swarm optimization algorithm based on game strategies. In: *GEC '09: Proceedings of the first ACM/SIGEVO Summit on Genetic and Evolutionary Computation*, pp. 287–294. New York, NY, USA: ACM. (doi:http://dx.doi.org/10.1145/1543834.1543873).

[39] Li Z, Xu B, Yang L, Chen J, Li K. 2009 Quantum evolutionary algorithm for multi-robot coalition formation. In: *GEC '09: Proceedings of the first ACM/SIGEVO Summit on Genetic and Evolutionary Computation*, pp. 295–302. New York, NY, USA: ACM. (doi:http://dx.doi.org/10.1145/1543834.1543874).

[40] Liang Y, Xu L. 2009 Global path planning for mobile robot based genetic algorithm and modified simulated annealing algorithm. In: *GEC '09: Proceedings of the first ACM/SIGEVO Summit on Genetic and Evolutionary Computation*, pp. 303–308. New York, NY, USA: ACM. (doi:http://dx.doi.org/10.1145/1543834.1543875).

[41] Liang Y, Xu L. 2009 Mobile robot global path planning using 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: ACM. (doi:http://dx.doi.org/10.1145/1543834.1543876).

[42] Lin C. 2009 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: ACM. (doi:http://dx.doi.org/10.1145/1543834.1543877).

[43] Lin J, Chen S, Cao Y, Guan H. 2009 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: ACM. (doi:http://dx.doi.org/10.1145/1543834.1543878).

[44] Liu B, Ding Y, Wang J. 2009 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: ACM. (doi:http://dx.doi.org/10.1145/1543834.1543879).

[45] Liu F, Zhang W, Ding Y, Liu X, Zheng M, Liu Y. 2009 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: ACM. (doi:http://dx.doi.org/10.1145/1543834.1543880).

[46] Liu J, Fan Z, Goodman E. 2009 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: ACM. (doi:http://dx.doi.org/10.1145/1543834.1543881).

[47] Liu W, Wu M, Peng J, Wang G. 2009 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: ACM. (doi:http://dx.doi.org/10.1145/1543834.1543882).

[48] Liu W, Li M, Liu Y, Xu Y, Yang X. 2009 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: ACM. (doi:http://dx.doi.org/10.1145/1543834.1543883).

[49] Liu X, Hu J, Teng S, Zhao L, Liu G. 2009 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: ACM. (doi:http://dx.doi.org/10.1145/1543834.1543884).

[50] Liu Y, Zhang D, Leung SC. 2009 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: ACM. (doi:http://dx.doi.org/10.1145/1543834.1543885).

[51] LU FQ, Huang M, Ching WK, Wang XW, Sun Xl. 2009 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: ACM. (doi:http://dx.doi.org/10.1145/1543834.1543886).

[52] Lu Q, Qiu Xn, Liu Sr. 2009 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: ACM. (doi: http://dx.doi.org/10.1145/1543834.1543887).

[53] Luh GC, Hsieh CC. 2009 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: ACM. (doi:http://dx.doi.org/10.1145/1543834.1543888).

[54] Ma X, Mu G, Yu X. 2009 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: ACM. (doi:http://dx.doi.org/10.1145/1543834.1543889).

[55] Ma X, Wan W, Jiao L. 2009 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: ACM. (doi:http://dx.doi.org/10.1145/1543834.1543890).

[56] Min H, Zeng J, Luo R. 2009 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: ACM. (doi:http://dx.doi.org/10.1145/1543834.1543891).

[57] Mushi JC, Tan G. 2009 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: ACM. (doi:http://dx.doi.org/10.1145/1543834.1543892).

[58] Ning B, Cao X, Xu Y, Zhang J. 2009 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: ACM. (doi:http://dx.doi.org/10.1145/1543834.1543893).

[59] Otsuki A, Okada K. 2009 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: ACM. (doi:http://dx.doi.org/10.1145/1543834.1543894).

[60] Ozkan M, Yazici A, Kapanoglu M, Parlaktuna O. 2009 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: ACM. (doi:http://dx.doi.org/10.1145/1543834.1543895).

[61] Pan F, Wang G, Liu Y. 2009 A multi-objective-based non-stationary 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: ACM. (doi: http://dx.doi.org/10.1145/1543834.1543896).

[62] Parsopoulos KE. 2009 Cooperative micro-particle swarm optimization. In: *GEC '09: Proceedings of the first ACM/SIGEVO Summit on Genetic and Evolutionary Computation*, pp. 467–474. New York, NY, USA: ACM. (doi:http://dx.doi.org/10.1145/1543834.1543897).

[63] Pullan W. 2009 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: ACM. (doi:http://dx.doi.org/10.1145/1543834.1543898).

[64] Qiu X, Lu Q. 2009 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: ACM. (doi:http://dx.doi.org/10.1145/1543834.1543899).

[65] Rokhlenko O, Wexler Y. 2009 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: ACM. (doi:http://dx.doi.org/10.1145/1543834.1543900).

[66] Shen H, Zhu Y, Zhou X, Guo H, Chang C. 2009 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: ACM. (doi:http://dx.doi.org/10.1145/1543834.1543901).

[67] Sun Y, Qi G, Wang Z, van Wyk BJ, Hamam Y. 2009 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: ACM. (doi:http://dx.doi.org/10.1145/1543834.1543902).

[68] Unachak P, Goodman E. 2009 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: ACM. (doi:http://dx.doi.org/10.1145/1543834.1543903).

[69] Wan S, Hao Y, Qiu D. 2009 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: ACM. (doi:http://dx.doi.org/10.1145/1543834.1543904).

[70] Wang F, Lin Z, Yang C, Li Y. 2009 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: ACM. (doi:http://dx.doi.org/10.1145/1543834.1543905).

[71] Wang H, Teng G, Zhang Z, Wang G. 2009 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: ACM. (doi:http://dx.doi.org/10.1145/1543834.1543906).

[72] Wang H, Wu Z, Liu Y, Wang J, Jiang D, Chen L. 2009 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: ACM. (doi:http://dx.doi.org/10.1145/1543834.1543907).

[73] Wang L, Wang X, Fei M. 2009 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: ACM. (doi:http://dx.doi.org/10.1145/1543834.1543908).

[74] Wang X, Wan W, Yu X. 2009 Rough set approximate 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: ACM. (doi:http://dx.doi.org/10.1145/1543834.1543909).

[75] Wang Yf, Wang Y, Mu Cy. 2009 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: ACM. (doi: http://dx.doi.org/10.1145/1543834.1543910).

[76] Wang ZL, Chen ZH, Chen HY. 2009 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: ACM. (doi:http://dx.doi.org/10.1145/1543834.1543911).

[77] Weihua D, Minrui F. 2009 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: ACM. (doi:http://dx.doi.org/10.1145/1543834.1543912).

[78] Weise T, Zapf M. 2009 Evolving distributed algorithms with 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: ACM. (doi:http://dx.doi.org/10.1145/1543834.1543913).

[79] Woodward JR, Bai R. 2009 Canonical representation genetic programming. In: *GEC '09: Proceedings of the first ACM/SIGEVO Summit on Genetic and Evolutionary Computation*, pp. 585–592. New York, NY, USA: ACM. (doi:http://dx.doi.org/10.1145/1543834.1543914).

[80] Woodward JR, Bai R. 2009 Why evolution is not a good paradigm for program induction: a critique of genetic programming. In: *GEC '09: Proceedings of the first ACM/SIGEVO Summit on Genetic and Evolutionary Computation*, pp. 593–600. New York, NY, USA: ACM. (doi: http://dx.doi.org/10.1145/1543834.1543915).

[81] Wu CY, Zhang CB, Wang CJ. 2009 Topology 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 York, NY, USA: ACM. (doi:http://dx.doi.org/10.1145/1543834.1543916).

[82] Xie LP, Zeng JC. 2009 A global optimization based on physicomimetics framework. In: *GEC '09: Proceedings of the first ACM/SIGEVO Summit on Genetic and Evolutionary Computation*, pp. 609–616. New York, NY, USA: ACM. (doi:http://dx.doi.org/10.1145/1543834.1543917).

[83] Xie L, Wang Z, Wu K. 2009 The stability study of biped robot based on ga and neural network. In: *GEC '09: Proceedings of the first ACM/SIGEVO Summit on Genetic and Evolutionary Computation*, pp. 617–622. New York, NY, USA: ACM. (doi:http://dx.doi.org/10.1145/1543834.1543918).

[84] Xin B, Chen J, Pan F. 2009 Problem difficulty analysis for particle swarm optimization: deception and modality. In: *GEC '09: Proceedings of the first ACM/SIGEVO Summit on Genetic and Evolutionary Computation*, pp. 623–630. New York, NY, USA: ACM. (doi:http://dx.doi.org/10.1145/1543834.1543919).

[85] Xu B, Luo W, Pei X, Zhang M, Wang X. 2009 On average time complexity of evolutionary negative selection algorithms for anomaly detection. In: *GEC '09: Proceedings of the first ACM/SIGEVO Summit on Genetic and Evolutionary Computation*, pp. 631–638. New York, NY, USA: ACM. (doi:http://dx.doi.org/10.1145/1543834.1543920).

[86] Xu Hq, Ding Ys, Hu Zh. 2009 Adaptive immune genetic algorithm for logic circuit design. In: *GEC '09: Proceedings of the first ACM/SIGEVO Summit on Genetic and Evolutionary Computation*, pp. 639–644. New York, NY, USA: ACM. (doi:http://dx.doi.org/10.1145/1543834.1543921).

[87] Xu L, Hu H, Zhu B. 2009 Energy-saving control of greenhouse climate based on mocc strategy. In: *GEC '09: Proceedings of the first ACM/SIGEVO Summit on Genetic and Evolutionary Computation*, pp. 645–650. New York, NY, USA: ACM. (doi:http://dx.doi.org/10.1145/1543834.1543922).

[88] Xu L, Zhu B, Goodman ED. 2009 An improved mocc with feedback control structure based on preference. In: *GEC '09: Proceedings of the first ACM/SIGEVO Summit on Genetic and Evolutionary Computation*, pp. 651–656. New York, NY, USA: ACM. (doi:http://dx.doi.org/10.1145/1543834.1543923).

[89] Xu Q, Si J, Wang L. 2009 Association based immune network for multimodal function optimization. In: *GEC '09: Proceedings of the first ACM/SIGEVO Summit on Genetic and Evolutionary Computation*, pp. 657–664. New York, NY, USA: ACM. (doi:http://dx.doi.org/10.1145/1543834.1543924).

[90] Xu S, Zhou X, Sun Yn. 2009 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: ACM. (doi:http://dx.doi.org/10.1145/1543834.1543925).

[91] Xu W, Gu X. 2009 A hybrid particle swarm optimization approach with prior crossover differential evolution. In: *GEC '09: Proceedings of the first ACM/SIGEVO Summit on Genetic and Evolutionary Computation*, pp. 671–678. New York, NY, USA: ACM. (doi:http://dx.doi.org/10.1145/1543834.1543926).

[92] Xu X, Li Y, Wu Y, Du X. 2009 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: ACM. (doi:http://dx.doi.org/10.1145/1543834.1543927).

[93] Xu Y, Low MYH, Choo CS. 2009 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: ACM. (doi:http://dx.doi.org/10.1145/1543834.1543928).

[94] Xu Z, Gu X, Jiao B, Gu J. 2009 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: ACM. (doi:http://dx.doi.org/10.1145/1543834.1543929).

[95] Yan P, Tang L. 2009 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: ACM. (doi:http://dx.doi.org/10.1145/1543834.1543930).

[96] Yan S, Sun Z. 2009 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: ACM. (doi:http://dx.doi.org/10.1145/1543834.1543931).

[97] Yu S, Cao X, Hu M, Du W, Zhang J. 2009 A real-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: ACM. (doi:http://dx.doi.org/10.1145/1543834.1543932).

[98] Yuan R, Zou X, Xu C. 2009 A parallel evolutionary algorithm 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: ACM. (doi:http://dx.doi.org/10.1145/1543834.1543933).

[99] Zeng L, Zou F, Xu X. 2009 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: ACM. (doi:http://dx.doi.org/10.1145/1543834.1543934).

[100] Zhang M, Zhao S, Wang X. 2009 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 Evolutionary Computation*, pp. 737–744. New York, NY, USA: ACM. (doi:http://dx.doi.org/10.1145/1543834.1543935).

[101] Zhang SP, Ding YS, Hao KR. 2009 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: ACM. (doi: http://dx.doi.org/10.1145/1543834.1543936).

[102] Zhang Xf, Liu J, Ding Ys. 2009 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: ACM. (doi: http://dx.doi.org/10.1145/1543834.1543937).

[103] Zhou Q, Cui X, Wang Z, Yang B. 2009 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: ACM. (doi:http://dx.doi.org/10.1145/1543834.1543938).

[104] Zhu W. 2009 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: ACM. (doi:http://dx.doi.org/10.1145/1543834.1543939).

[105] Zhu Y, Ding Y, Li W, Kemp G. 2009 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: ACM. (doi:http://dx.doi.org/10.1145/1543834.1543940).

[106] Zhuo J, Li J, Wu G. 2009 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: ACM. (doi:http://dx.doi.org/10.1145/1543834.1543941).

[107] Affenzeller M, Beham A, Wagner S, Winkler SM. 2009 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: ACM. (doi:http://dx.doi.org/10.1145/1543834.1543943).

[108] An J, Guo X, Yang Y. 2009 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: ACM. (doi:http://dx.doi.org/10.1145/1543834.1543944).

[109] Cai Zs, Sun Ln, Gao Hb. 2009 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: ACM. (doi:http://dx.doi.org/10.1145/1543834.1543945).

[110] Chen H, Zou B. 2009 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: ACM. (doi:http://dx.doi.org/10.1145/1543834.1543946).

[111] Chen Q, Xiong S, Liu H. 2009 Evolutionary multi-objective optimization algorithm based on global crowding diversity maintenance strategy. In: *GEC '09: Proceedings of the first ACM/SIGEVO Summit on Genetic and Evolutionary Computation*, pp. 803–806. New York, NY, USA: ACM. (doi:http://dx.doi.org/10.1145/1543834.1543947).

[112] Chen SH, Zeng RJ, Yu T. 2009 Analysis of micro-behavior and bounded rationality in double auction markets using co-evolutionary gp. In: *GEC '09: Proceedings of the first ACM/SIGEVO Summit on Genetic and Evolutionary Computation*, pp. 807–810. New York, NY, USA: ACM. (doi:http://dx.doi.org/10.1145/1543834.1543948).

[113] Comellas F, Martinez-Navarro J. 2009 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: ACM. (doi:http://dx.doi.org/10.1145/1543834.1543949).

[114] Dai G, Li Y, Zheng W. 2009 Research on an orthogonal and model based multi-objective genetic algorithm. In: *GEC '09: Proceedings of the first ACM/SIGEVO Summit on Genetic and Evolutionary Computation*, pp. 815–818. New York, NY, USA: ACM. (doi:http://dx.doi.org/10.1145/1543834.1543950).

[115] Ding G, Li D, Chen L. 2009 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: ACM. (doi:http://dx.doi.org/10.1145/1543834.1543951).

[116] Du X, Ding LX, Xie CW, Xu X, Wang Sw, Chen L. 2009 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: ACM. (doi:http://dx.doi.org/10.1145/1543834.1543952).

[117] Gu J, Cao C, Jiao B, Gu X. 2009 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: ACM. (doi:http://dx.doi.org/10.1145/1543834.1543953).

[118] Guo Jp, Li Wh, Gao F. 2009 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: ACM. (doi:http://dx.doi.org/10.1145/1543834.1543954).

[119] Huang F, Gu J, Xu J. 2009 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: ACM. (doi:http://dx.doi.org/10.1145/1543834.1543955).

[120] Huang M, Cui Y, Wang X, Dong H. 2009 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: ACM. (doi:http://dx.doi.org/10.1145/1543834.1543956).

[121] Jiang H, Yuan Z, Zhao Y. 2009 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: ACM. (doi:http://dx.doi.org/10.1145/1543834.1543957).

[122] Jin L, Jia J, Chang G, Wang X. 2009 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. 847–850. New York, NY, USA: ACM. (doi:http://dx.doi.org/10.1145/1543834.1543958).

[123] Kim YH, Yoon Y. 2009 Representation and recombination over nonsingular binary matrices. In: *GEC '09: Proceedings of the first ACM/SIGEVO Summit on Genetic and Evolutionary Computation*, pp. 855–858. New York, NY, USA: ACM. (doi:http://dx.doi.org/10.1145/1543834.1543959).

[124] Korns MF. 2009 Symbolic regression using abstract expression grammars. In: *GEC '09: Proceedings of the first ACM/SIGEVO Summit on Genetic and Evolutionary Computation*, pp. 859–862. New York, NY, USA: ACM. (doi:http://dx.doi.org/10.1145/1543834.1543960).

[125] Li L, Kong F. 2009 Synchronization analysis and control in chaos system based on complex network. In: *GEC '09: Proceedings of the first ACM/SIGEVO Summit on Genetic and Evolutionary Computation*, pp. 863–866. New York, NY, USA: ACM. (doi:http://dx.doi.org/10.1145/1543834.1543961).

[126] Li X, Mao Z, Qi E. 2009 Research on multi-supplier performance measurement based on genetic ant colony algorithm. In: *GEC '09: Proceedings of the first ACM/SIGEVO Summit on Genetic and Evolutionary Computation*, pp. 867–870. New York, NY, USA: ACM. (doi:http://dx.doi.org/10.1145/1543834.1543962).

[127] Li Y, Shi H, Gong M, Shang R. 2009 Quantum-inspired evolutionary clustering algorithm based on manifold distance. In: *GEC '09: Proceedings of the first ACM/SIGEVO Summit on Genetic and Evolutionary Computation*, pp. 871–874. New York, NY, USA: ACM. (doi:http://dx.doi.org/10.1145/1543834.1543963).

[128] Liu C, Wan W, Wu Y. 2009 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: ACM. (doi:http://dx.doi.org/10.1145/1543834.1543964).

[129] Liu F, Qi Y, Xia Z, Hao H. 2009 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: ACM. (doi:http://dx.doi.org/10.1145/1543834.1543965).

[130] Liu H, Xiong S, Chen Q. 2009 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: ACM. (doi:http://dx.doi.org/10.1145/1543834.1543966).

[131] Liu R, Li Y, Zhang W, Jiao L. 2009 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: ACM. (doi:http://dx.doi.org/10.1145/1543834.1543967).

[132] Liu S, Qiao Yy, Wen Qk. 2009 Segmentation of multispectral remote sensing images based on ant colony optimization algorithm. In: *GEC '09: Proceedings of the first ACM/SIGEVO Summit on Genetic and Evolutionary Computation*, pp. 891–894. New York, NY, USA: ACM. (doi:http://dx.doi.org/10.1145/1543834.1543968).

[133] Liu Y, Xiong S, Liu H. 2009 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: ACM. (doi:http://dx.doi.org/10.1145/1543834.1543969).

[134] Longcun J, Wanggen W, Bin C, Xiaoqing Y, Hongwei X. 2009 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: ACM. (doi:http://dx.doi.org/10.1145/1543834.1543970).

[135] Luo X, Sun Z, Zhang X, Hu L, Wang C. 2009 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: ACM. (doi:http://dx.doi.org/10.1145/1543834.1543971).

[136] Lv S, Wang S, Wang X. 2009 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: ACM. (doi:http://dx.doi.org/10.1145/1543834.1543972).

[137] Pa PS, Chang SC. 2009 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: ACM. (doi:http://dx.doi.org/10.1145/1543834.1543973).

[138] Peng Y, Luo X, Wei W. 2009 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: ACM. (doi:http://dx.doi.org/10.1145/1543834.1543974).

[139] Peng Y, Zhang D, Chin FY. 2009 A hybrid simulated annealing algorithm for container loading problem. In: *GEC '09: Proceedings of the first ACM/SIGEVO Summit on Genetic and Evolutionary Computation*, pp. 919–928. New York, NY, USA: ACM. (doi:http://dx.doi.org/10.1145/1543834.1543975).

[140] Yu B, Zeng S, Gao S, Yan Z, Shi Y, Yang X, Xiao B. 2009 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: ACM. (doi:http://dx.doi.org/10.1145/1543834.1543976).

[141] Qi J, Shao S, Rong Z. 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: ACM. (doi:http://dx.doi.org/10.1145/1543834.1543977).

[142] Qian X, Shengjing T, Jie G. 2009 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: ACM. (doi:http://dx.doi.org/10.1145/1543834.1543978).

[143] Qin S. 2009 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: ACM. (doi:http://dx.doi.org/10.1145/1543834.1543979).

[144] Sekaj I, Oravec M. 2009 Selected population characteristics of fine-grained parallel genetic algorithms with re-initialization. In: *GEC '09: Proceedings of the first ACM/SIGEVO Summit on Genetic and Evolutionary Computation*, pp. 945–948. New York, NY, USA: ACM. (doi:http://dx.doi.org/10.1145/1543834.1543980).

[145] Shen Jh, Li Cx, Li Jh. 2009 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: ACM. (doi:http://dx.doi.org/10.1145/1543834.1543981).

[146] Smith RE, Jiang MK. 2009 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: ACM. (doi:http://dx.doi.org/10.1145/1543834.1543982).

[147] Su B, Shen YD. 2009 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: ACM. (doi:http://dx.doi.org/10.1145/1543834.1543983).

[148] Sun S. 2009 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: ACM. (doi:http://dx.doi.org/10.1145/1543834.1543984).

[149] Sun X, Huang M, Wang X, Lu F. 2009 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: ACM. (doi:http://dx.doi.org/10.1145/1543834.1543985).

[150] Tan L, Guo L. 2009 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: ACM. (doi:http://dx.doi.org/10.1145/1543834.1543986).

[151] Tan Y, Zhao T, Zhao Z. 2009 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: ACM. (doi:http://dx.doi.org/10.1145/1543834.1543987).

[152] Tang J, Alam S, Abbass H, Lokan C. 2009 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: ACM. (doi:http://dx.doi.org/10.1145/1543834.1543988).

[153] Wang H, Qi H, Li W, Zhang G, Wang P. 2009 A ga-based 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: ACM. (doi:http://dx.doi.org/10.1145/1543834.1543989).

[154] Wang J, Loo SM. 2009 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: ACM. (doi:http://dx.doi.org/10.1145/1543834.1543990).

[155] Wang LF, Zeng JC, Hong Y. 2009 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: ACM. (doi:http://dx.doi.org/10.1145/1543834.1543991).

[156] Wang Y, Wang J, Du W, Zhang C, Zhang Y, Zhou C. 2009 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: ACM. (doi:http://dx.doi.org/10.1145/1543834.1543992).

[157] Wang Z, Liu Jl, Yu X. 2009 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: ACM. (doi:http://dx.doi.org/10.1145/1543834.1543993).

[158] Wen L, Liu G, Zhao Y. 2009 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: ACM. (doi:http://dx.doi.org/10.1145/1543834.1543994).

[159] Luo X, Peng Y, Wei W. 2009 Research on stronger convergence in probability of immune genetic algorithm. In: *GEC '09: Proceedings of the first ACM/SIGEVO Summit on Genetic and Evolutionary Computation*, pp. 1009–1012. New York, NY, USA: ACM. (doi:http://dx.doi.org/10.1145/1543834.1543995).

[160] Xie F, He S, Liu X, Li X, Du J, Yang J, Fu Y, Chen Y, Wang J, Liu Z, *et al.* 2009 To create neuro-controlled game opponent from uct-created data. In: *GEC '09: Proceedings of the first ACM/SIGEVO Summit on Genetic and Evolutionary Computation*, pp. 1013–1016. New York, NY, USA: ACM. (doi:http://dx.doi.org/10.1145/1543834.1543996).

[161] Xu Y, Deli Y, Yu L. 2009 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: ACM. (doi:http://dx.doi.org/10.1145/1543834.1543997).

[162] Xue S, Zeng J. 2009 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: ACM. (doi:http://dx.doi.org/10.1145/1543834.1543998).

[163] Yan T, Shen L, An P, Wang H, Zhang Z. 2009 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: ACM. (doi:http://dx.doi.org/10.1145/1543834.1543999).

[164] Yang K, Ye J, Li Z, Qiao Y. 2009 Free hand sketch understanding using svms-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: ACM. (doi: http://dx.doi.org/10.1145/1543834.1544000).

[165] Yang Y, Xiaoping L, Yonggang P, Wei W. 2009 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: ACM. (doi:http://dx.doi.org/10.1145/1543834.1544001).

[166] Yong S, Zhimin L. 2009 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: ACM. (doi:http://dx.doi.org/10.1145/1543834.1544002).

[167] Yu YM, Zhao GQ, Liu JD. 2009 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: ACM. (doi:http://dx.doi.org/10.1145/1543834.1544003).

[168] Zeng W, Zhao Y, Zeng J. 2009 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: ACM. (doi:http://dx.doi.org/10.1145/1543834.1544004).

[169] Zhang L, Jiao YC, Li H, Zhang FS. 2009 Hybrid differential evolution and the simplified quadratic interpolation for global optimization. In: *GEC '09: Proceedings of the first ACM/SIGEVO Summit on Genetic and Evolutionary Computation*, pp. 1049–1052. New York, NY, USA: ACM. (doi:http://dx.doi.org/10.1145/1543834.1544005).

[170] Zhang Q, Liu S, An P, Zhang Z. 2009 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: ACM. (doi:http://dx.doi.org/10.1145/1543834.1544006).

[171] Zhang Qb, Wu Th, Liu B. 2009 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: ACM. (doi:http://dx.doi.org/10.1145/1543834.1544007).

[172] Zhao Y, Wang J, Song Y. 2009 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: ACM. (doi:http://dx.doi.org/10.1145/1543834.1544008).

[173] Cao ZC, Qiao F, Wu QD. 2009 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: ACM. (doi:http://dx.doi.org/10.1145/1543834.1544009).

[174] Zhou Z, Zhongke S, Li Y. 2009 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: ACM. (doi:http://dx.doi.org/10.1145/1543834.1544010).

[175] Zhu M, Yang Y. 2009 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: ACM. (doi:http://dx.doi.org/10.1145/1543834.1544011).