Список литературы

[AFFENZELLER *et al.*, 2009] AFFENZELLER, M., BEHAM, A., WAGNER, S., and WINKLER, S. M. (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*, pages 787–790, New York, NY, USA. ACM.

[AGRAWAL *et al.*, 2009] AGRAWAL, S., BOSE, S. K., and 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*, pages 1–8, New York, NY, USA. ACM.

[AN *et al.*, 2009] AN, J., GUO, X., and 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*, pages 791–794, New York, NY, USA. ACM.

[BECKER and O'REILLY, 2009] BECKER, Y. L. and O'REILLY, U.-M. (2009). Genetic programming for quantitative stock selection. In *GEC '09: Proceedings of the first ACM/SIGEVO Summit on Genetic and Evolutionary Computation*, pages 9–16, New York, NY, USA. ACM.

[CAI *et al.*, 2009] CAI, Z.-S., SUN, L.-N., and GAO, H.-B. (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*, pages 795–798, New York, NY, USA. ACM.

[CAO *et al.*, 2009a] CAO, C., GU, J., JIAO, B., XIN, Z., and GU, X. (2009a). 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*, pages 17–24, New York, NY, USA. ACM.

[CAO *et al.*, 2009b] CAO, Y., HU, C., and LI, L. (2009b). 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*, pages 25–32, New York, NY, USA. ACM.

[CAO *et al.*, 2009c] CAO, Z.-C., QIAO, F., and WU, Q.-D. (2009c). 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*, pages 1065–1068, New York, NY, USA. ACM.

[CHEN *et al.*, 2009a] CHEN, H., ZHOU, C., and ZHU, W. (2009a). 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*, pages 33–38, New York, NY, USA. ACM.

[CHEN and ZOU, 2009] CHEN, H. and 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*, pages 799–802, New York, NY, USA. ACM.

[CHEN *et al.*, 2009b] CHEN, J., JIA, J., WEN, Y., zhao, D., and LIU, J. (2009b). 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*, pages 39–46, New York, NY, USA. ACM.

[CHEN *et al.*, 2009c] CHEN, J., JIA, J., WEN, Y., ZHAO, D., and LIU, J. (2009c). 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*, pages 47–54, New York, NY, USA. ACM.

[CHEN *et al.*, 2009d] CHEN, Q., XIONG, S., and LIU, H. (2009d). 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*, pages 803–806, New York, NY, USA. ACM.

[CHEN et al., 2009e] CHEN, Q., XIONG, S., and LIU, H. (2009e). Particle swarm optimization algorithm based on dynamic memory strategy. In *GEC '09: Proceedings of the first ACM/SIGEVO Summit on Genetic and Evolutionary Computation*, pages 55–60, New York, NY, USA. ACM.

[CHEN et al., 2009f] CHEN, S.-H., ZENG, R.-J., and YU, T. (2009f). 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*, pages 807–810, New York, NY, USA. ACM.

[CHEN et al., 2009g] CHEN, Z., HE, Z., and ZHANG, C. (2009g). The non-clique particle swarm optimizer. In *GEC '09: Proceedings of the first ACM/SIGEVO Summit on Genetic and Evolutionary Computation*, pages 61–66, New York, NY, USA. ACM.

[COMELLAS and MARTINEZ-NAVARRO, 2009] COMELLAS, F. and 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*, pages 811–814, New York, NY, USA. ACM.

[CULLEN, 2009a] CULLEN, J. S. (2009a). Evolutionary meta programming. In *GEC '09: Proceedings of the first ACM/SIGEVO Summit on Genetic and Evolutionary Computation*, pages 81–88, New York, NY, USA. ACM.

[CULLEN, 2009b] CULLEN, J. S. (2009b). 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*, pages 75–80, New York, NY, USA. ACM.

[DAI et al., 2009] DAI, G., LI, Y., and 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*, pages 815–818, New York, NY, USA. ACM.

[DENG et al., 2009] DENG, R., JIANG, C., and 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*, pages 89–96, New York, NY, USA. ACM.

[DING et al., 2009a] DING, G., LI, D., and CHEN, L. (2009a). 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*, pages 819–822, New York, NY, USA. ACM.

[DING et al., 2009b] DING, G., LI, L., and JU, Y. (2009b). 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*, pages 97–104, New York, NY, USA. ACM.

[DU et al., 2009] DU, X., DING, L. X., XIE, C. W., XU, X., WANG, S. w., and 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*, pages 823–826, New York, NY, USA. ACM.

[DUPUIS et al., 2009] DUPUIS, J.-F., FAN, Z., and 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*, pages 105–112, New York, NY, USA. ACM.

[FAN et al., 2009] FAN, Q., WANG, P., and 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*, pages 113–118, New York, NY, USA. ACM.

[FANG et al., 2009] FANG, X., JIANG, C., and 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*, pages 119–126, New York, NY, USA. ACM.

[Feng and Xu, 2009] Feng, Z. and 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*, pages 127–134, New York, NY, USA. ACM.

[Gan et al., 2009] Gan, C., Ying-ying, S., and 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*, pages 135–140, New York, NY, USA. ACM.

[Gong et al., 2009a] Gong, M., Jiao, L., and Ma, W. (2009a). Large-scale optimization using immune algorithm. In *GEC '09: Proceedings of the first ACM/SIGEVO Summit on Genetic and Evolutionary Computation*, pages 149–156, New York, NY, USA. ACM.

[Gong et al., 2009b] Gong, M., Jiao, L., and Ma, W. (2009b). 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*, pages 141–148, New York, NY, USA. ACM.

[Gu et al., 2009a] Gu, F., Liu, H.-l., and Liu, W. (2009a). 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*, pages 157–162, New York, NY, USA. ACM.

[Gu et al., 2009b] Gu, J., Cao, C., Jiao, B., and Gu, X. (2009b). 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*, pages 163–170, New York, NY, USA. ACM.

[Gu et al., 2009c] Gu, J., Cao, C., Jiao, B., and Gu, X. (2009c). 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*, pages 827–830, New York, NY, USA. ACM.

[Gu and Ding, 2009] Gu, Q. and 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*, pages 171–176, New York, NY, USA. ACM.

[Guo et al., 2009a] Guo, J.-p., Li, W.-h., and Gao, F. (2009a). Descriptive statistics of non-uniform interval symbolic data. In *GEC '09: Proceedings of the first ACM/SIGEVO Summit on Genetic and Evolutionary Computation*, pages 831–834, New York, NY, USA. ACM.

[Guo et al., 2009b] Guo, L., Rivero, D., Seoane, J. A., and Pazos, A. (2009b). 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*, pages 177–184, New York, NY, USA. ACM.

[Guo et al., 2009c] Guo, Y.-n., Cheng, J., and Lin, Y. (2009c). Cooperative interactive cultural algorithms adopting knowledge migration. In *GEC '09: Proceedings of the first ACM/SIGEVO Summit on Genetic and Evolutionary Computation*, pages 193–200, New York, NY, USA. ACM.

[Guo et al., 2009d] Guo, Y.-n., Yang, M., and Cheng, J. (2009d). 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*, pages 185–192, New York, NY, USA. ACM.

[He et al., 2009] He, G., Li, Y., Shi, Z., and 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*, pages 201–208, New York, NY, USA. ACM.

[HONGFENG et al., 2009] HONGFENG, X., GUANZHENG, T., and 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*, pages 209–216, New York, NY, USA. ACM.

[HU et al., 2009a] HU, H., XU, L., and HU, Q. (2009a). 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*, pages 217–222, New York, NY, USA. ACM.

[HU et al., 2009b] HU, Q., XU, L., and GOODMAN, E. D. (2009b). 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*, pages 223–230, New York, NY, USA. ACM.

[HUANG et al., 2009a] HUANG, F., GU, J., and XU, J. (2009a). 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*, pages 835–838, New York, NY, USA. ACM.

[HUANG et al., 2009b] HUANG, M., CUI, Y., WANG, X., and DONG, H. (2009b). 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*, pages 839–842, New York, NY, USA. ACM.

[HUANG et al., 2009c] HUANG, M., DONG, H.-Y., WANG, X.-W., ZHENG, B.-L., and IP, W. H. (2009c). 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*, pages 231–238, New York, NY, USA. ACM.

[IRENE et al., 2009] IRENE, H. S. F., DERIS, S., HASHIM, M., and 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*, pages 239–246, New York, NY, USA. ACM.

[JIANG et al., 2009a] JIANG, F., BERRY, H., and SCHOENAUER, M. (2009a). The impact of network topology on self-organizing maps. In *GEC '09: Proceedings of the first ACM/SIGEVO Summit on Genetic and Evolutionary Computation*, pages 247–254, New York, NY, USA. ACM.

[JIANG et al., 2009b] JIANG, H., YUAN, Z., and ZHAO, Y. (2009b). 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*, pages 843–846, New York, NY, USA. ACM.

[JIN et al., 2009] JIN, L., JIA, J., CHANG, G., and 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*, pages 847–850, New York, NY, USA. ACM.

[KARSHENAS et al., 2009] KARSHENAS, H., NIKANJAM, A., HELMI, B. H., and RAHMANI, A. T. (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*, pages 263–270, New York, NY, USA. ACM.

[KIM and YOON, 2009] KIM, Y.-H. and 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*, pages 855–858, New York, NY, USA. ACM.

[KORNS, 2009] KORNS, M. F. (2009). Symbolic regression using abstract expression grammars. In *GEC '09: Proceedings of the first ACM/SIGEVO Summit on Genetic and Evolutionary Computation*, pages 859–862, New York, NY, USA. ACM.

[LI and KONG, 2009] LI, L. and 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*, pages 863–866, New York, NY, USA. ACM.

[LI and WANG, 2009] LI, L.-P. and 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*, pages 271–278, New York, NY, USA. ACM.

[LI et al., 2009a] LI, X., MAO, Z., and QI, E. (2009a). 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*, pages 867–870, New York, NY, USA. ACM.

[LI et al., 2009b] LI, Y., SHI, H., GONG, M., and SHANG, R. (2009b). Quantum-inspired evolutionary clustering algorithm based on manifold distance. In *GEC '09: Proceedings of the first ACM/SIGEVO Summit on Genetic and Evolutionary Computation*, pages 871–874, New York, NY, USA. ACM.

[LI et al., 2009c] LI, Z., LIU, S., XIAO, D., CHEN, J., and LI, K. (2009c). 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*, pages 287–294, New York, NY, USA. ACM.

[LI et al., 2009d] LI, Z., WANG, Y., OLIVIER, K. K., CHEN, J., and LI, K. (2009d). The cloud-based framework for ant colony optimization. In *GEC '09: Proceedings of the first ACM/SIGEVO Summit on Genetic and Evolutionary Computation*, pages 279–286, New York, NY, USA. ACM.

[LI et al., 2009e] LI, Z., XU, B., YANG, L., CHEN, J., and LI, K. (2009e). Quantum evolutionary algorithm for multi-robot coalition formation. In *GEC '09: Proceedings of the first ACM/SIGEVO Summit on Genetic and Evolutionary Computation*, pages 295–302, New York, NY, USA. ACM.

[LIANG and XU, 2009a] LIANG, Y. and XU, L. (2009a). 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*, pages 303–308, New York, NY, USA. ACM.

[LIANG and XU, 2009b] LIANG, Y. and XU, L. (2009b). 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*, pages 309–314, New York, NY, USA. ACM.

[LIN, 2009] 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*, pages 315–320, New York, NY, USA. ACM.

[LIN et al., 2009] LIN, J., CHEN, S., CAO, Y., and 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*, pages 321–328, New York, NY, USA. ACM.

[LIU et al., 2009a] LIU, B., DING, Y., and WANG, J. (2009a). 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*, pages 329–336, New York, NY, USA. ACM.

[LIU et al., 2009b] LIU, C., WAN, W., and WU, Y. (2009b). 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*, pages 875–878, New York, NY, USA. ACM.

[LIU et al., 2009c] LIU, F., QI, Y., XIA, Z., and HAO, H. (2009c). 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*, pages 879–882, New York, NY, USA. ACM.

[LIU *et al.*, 2009d] LIU, F., ZHANG, W., DING, Y., LIU, X., ZHENG, M., and LIU, Y. (2009d). 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*, pages 337–344, New York, NY, USA. ACM.

[LIU *et al.*, 2009e] LIU, H., XIONG, S., and CHEN, Q. (2009e). 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*, pages 883–886, New York, NY, USA. ACM.

[LIU *et al.*, 2009f] LIU, J., FAN, Z., and GOODMAN, E. (2009f). SRDE: an improved differential evolution based on stochastic ranking. In *GEC '09: Proceedings of the first ACM/SIGEVO Summit on Genetic and Evolutionary Computation*, pages 345–352, New York, NY, USA. ACM.

[LIU *et al.*, 2009g] LIU, R., LI, Y., ZHANG, W., and JIAO, L. (2009g). 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*, pages 887–890, New York, NY, USA. ACM.

[LIU *et al.*, 2009h] LIU, S., QIAO, Y.-Y., and WEN, Q.-K. (2009h). 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*, pages 891–894, New York, NY, USA. ACM.

[LIU *et al.*, 2009i] LIU, W., LI, M., LIU, Y., XU, Y., and YANG, X. (2009i). 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*, pages 369–374, New York, NY, USA. ACM.

[LIU *et al.*, 2009j] LIU, W., WU, M., PENG, J., and WANG, G. (2009j). 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*, pages 361–368, New York, NY, USA. ACM.

[LIU *et al.*, 2009k] LIU, X., HU, J., TENG, S., ZHAO, L., and LIU, G. (2009k). 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*, pages 375–380, New York, NY, USA. ACM.

[LIU *et al.*, 2009l] LIU, Y., XIONG, S., and LIU, H. (2009l). 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*, pages 895–898, New York, NY, USA. ACM.

[LIU *et al.*, 2009m] LIU, Y., ZHANG, D., and LEUNG, S. C. (2009m). 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*, pages 381–386, New York, NY, USA. ACM.

[LONGCUN *et al.*, 2009] LONGCUN, J., WANGGEN, W., BIN, C., XIAOQING, Y., and 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*, pages 899–902, New York, NY, USA. ACM.

[LU *et al.*, 2009] LU, F.-Q., HUANG, M., CHING, W.-K., WANG, X.-W., and SUN, X.-L. (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*, pages 387–392, New York, NY, USA. ACM.

[LU *et al.*, 2009] LU, Q., QIU, X.-N., and LIU, S.-R. (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*, pages 393–400, New York, NY, USA. ACM.

[LUH and HSIEH, 2009] LUH, G.-C. and HSIEH, C.-C. (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*, pages 401–408, New York, NY, USA. ACM.

[LUO et al., 2009a] LUO, X., PENG, Y., and WEI, W. (2009a). 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*, pages 1009–1012, New York, NY, USA. ACM.

[LUO et al., 2009b] LUO, X., SUN, Z., ZHANG, X., HU, L., and WANG, C. (2009b). 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*, pages 903–906, New York, NY, USA. ACM.

[LV et al., 2009] LV, S., WANG, S., and 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*, pages 907–910, New York, NY, USA. ACM.

[MA et al., 2009a] MA, X., MU, G., and YU, X. (2009a). Kernel-based immunity synergetic network for image classification. In *GEC '09: Proceedings of the first ACM/SIGEVO Summit on Genetic and Evolutionary Computation*, pages 409–414, New York, NY, USA. ACM.

[MA et al., 2009b] MA, X., WAN, W., and JIAO, L. (2009b). Spectral clustering ensemble for image segmentation. In *GEC '09: Proceedings of the first ACM/SIGEVO Summit on Genetic and Evolutionary Computation*, pages 415–420, New York, NY, USA. ACM.

[MIN et al., 2009] MIN, H., ZENG, J., and 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*, pages 421–428, New York, NY, USA. ACM.

[MUSHI and TAN, 2009] MUSHI, J. C. and 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*, pages 429–436, New York, NY, USA. ACM.

[NING et al., 2009] NING, B., CAO, X., XU, Y., and 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*, pages 437–442, New York, NY, USA. ACM.

[OTSUKI and OKADA, 2009] OTSUKI, A. and 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*, pages 443–450, New York, NY, USA. ACM.

[OZKAN et al., 2009] OZKAN, M., YAZICI, A., KAPANOGLU, M., and 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*, pages 451–458, New York, NY, USA. ACM.

[PA and CHANG, 2009] PA, P. S. and CHANG, S. C. (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*, pages 911–914, New York, NY, USA. ACM.

[PAN et al., 2009] PAN, F., WANG, G., and 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*, pages 459–466, New York, NY, USA. ACM.

[PARSOPOULOS, 2009] PARSOPOULOS, K. E. (2009). Cooperative micro-particle swarm optimization. In *GEC '09: Proceedings of the first ACM/SIGEVO Summit on Genetic and Evolutionary Computation*, pages 467–474, New York, NY, USA. ACM.

[PENG et al., 2009a] PENG, Y., LUO, X., and WEI, W. (2009a). 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*, pages 915–918, New York, NY, USA. ACM.

[PENG et al., 2009b] PENG, Y., ZHANG, D., and CHIN, F. Y. (2009b). A hybrid simulated annealing algorithm for container loading problem. In *GEC '09: Proceedings of the first ACM/SIGEVO Summit on Genetic and Evolutionary Computation*, pages 919–928, New York, NY, USA. ACM.

[PULLAN, 2009] 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*, pages 475–482, New York, NY, USA. ACM.

[QI et al., 2009] QI, J., SHAO, S., and 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*, pages 933–936, New York, NY, USA. ACM.

[QIAN et al., 2009] QIAN, X., SHENGJING, T., and 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*, pages 937–940, New York, NY, USA. ACM.

[QIN, 2009] 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*, pages 941–944, New York, NY, USA. ACM.

[QIU and LU, 2009] QIU, X. and 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*, pages 483–488, New York, NY, USA. ACM.

[ROKHLENKO and WEXLER, 2009] ROKHLENKO, O. and 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*, pages 489–496, New York, NY, USA. ACM.

[SEKAJ and ORAVEC, 2009] SEKAJ, I. and 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*, pages 945–948, New York, NY, USA. ACM.

[SENG et al., 2009] SENG, C. C., LIAN, C. C., SPENCER, L. K. M., and DARREN, O. W. S. (2009). A co-evolutionary approach for military operational analysis. In *GEC '09: Proceedings of the first ACM/SIGEVO Summit on Genetic and Evolutionary Computation*, pages 67–74, New York, NY, USA. ACM.

[SHEN et al., 2009a] SHEN, H., ZHU, Y., ZHOU, X., GUO, H., and CHANG, C. (2009a). 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*, pages 497–504, New York, NY, USA. ACM.

[SHEN et al., 2009b] SHEN, J.-H., LI, C.-X., and LI, J.-H. (2009b). Structural damping identification using analytic wavelet transformation. In *GEC '09: Proceedings of the first ACM/SIGEVO Summit on Genetic and Evolutionary Computation*, pages 949–952, New York, NY, USA. ACM.

[SMITH and JIANG, 2009] SMITH, R. E. and JIANG, M. K. (2009). MILCS in protein structure prediction with default hierarchies. In *GEC '09: Proceedings of the first ACM/SIGEVO Summit on Genetic and Evolutionary Computation*, pages 953–956, New York, NY, USA. ACM.

[SU and SHEN, 2009] SU, B. and SHEN, Y.-D. (2009). Maximum margin transfer learning. In *GEC '09: Proceedings of the first ACM/SIGEVO Summit on Genetic and Evolutionary Computation*, pages 957–960, New York, NY, USA. ACM.

[Sun, 2009] 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*, pages 961–964, New York, NY, USA. ACM.

[Sun et al., 2009a] Sun, X., Huang, M., Wang, X., and Lu, F. (2009a). 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*, pages 965–968, New York, NY, USA. ACM.

[Sun et al., 2009b] Sun, Y., Qi, G., Wang, Z., van Wyk, B. J., and Hamam, Y. (2009b). Chaotic particle swarm optimization. In *GEC '09: Proceedings of the first ACM/SIGEVO Summit on Genetic and Evolutionary Computation*, pages 505–510, New York, NY, USA. ACM.

[Tan and Guo, 2009] Tan, L. and 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*, pages 969–972, New York, NY, USA. ACM.

[Tan et al., 2009] Tan, Y., Zhao, T., and 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*, pages 973–976, New York, NY, USA. ACM.

[Tang et al., 2009] Tang, J., Alam, S., Abbass, H., and 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*, pages 977–984, New York, NY, USA. ACM.

[Unachak and Goodman, 2009] Unachak, P. and 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*, pages 511–516, New York, NY, USA. ACM.

[Wan et al., 2009] Wan, S., Hao, Y., and 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*, pages 517–520, New York, NY, USA. ACM.

[Wang et al., 2009a] Wang, F., Lin, Z., Yang, C., and Li, Y. (2009a). 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*, pages 521–528, New York, NY, USA. ACM.

[Wang et al., 2009b] Wang, H., Qi, H., Li, W., Zhang, G., and Wang, P. (2009b). A GA-based automatic pore segmentation algorithm. In *GEC '09: Proceedings of the first ACM/SIGEVO Summit on Genetic and Evolutionary Computation*, pages 985–988, New York, NY, USA. ACM.

[Wang et al., 2009c] Wang, H., Teng, G., Zhang, Z., and Wang, G. (2009c). 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*, pages 529–536, New York, NY, USA. ACM.

[Wang et al., 2009d] Wang, H., Wu, Z., Liu, Y., Wang, J., Jiang, D., and Chen, L. (2009d). Space transformation search: a new evolutionary technique. In *GEC '09: Proceedings of the first ACM/SIGEVO Summit on Genetic and Evolutionary Computation*, pages 537–544, New York, NY, USA. ACM.

[Wang and Loo, 2009] Wang, J. and Loo, S. M. (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*, pages 989–992, New York, NY, USA. ACM.

[Wang et al., 2009e] Wang, L., Wang, X., and Fei, M. (2009e). 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*, pages 545–552, New York, NY, USA. ACM.

[WANG *et al.*, 2009f] WANG, L.-F., ZENG, J.-C., and HONG, Y. (2009f). Estimation of distribution algorithm based on archimedean copulas. In *GEC '09: Proceedings of the first ACM/SIGEVO Summit on Genetic and Evolutionary Computation*, pages 993–996, New York, NY, USA. ACM.

[WANG *et al.*, 2009g] WANG, X., WAN, W., and YU, X. (2009g). 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*, pages 553–560, New York, NY, USA. ACM.

[WANG *et al.*, 2009h] WANG, Y., WANG, J., DU, W., ZHANG, C., ZHANG, Y., and ZHOU, C. (2009h). 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*, pages 997–1000, New York, NY, USA. ACM.

[WANG *et al.*, 2009i] WANG, Y.-f., WANG, Y., and MU, C.-y. (2009i). 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*, pages 561–564, New York, NY, USA. ACM.

[WANG *et al.*, 2009j] WANG, Z., LIU, J.-L., and YU, X. (2009j). Self-fertilization based genetic algorithm for university timetabling problem. In *GEC '09: Proceedings of the first ACM/SIGEVO Summit on Genetic and Evolutionary Computation*, pages 1001–1004, New York, NY, USA. ACM.

[WANG *et al.*, 2009k] WANG, Z.-L., CHEN, Z.-H., and CHEN, H.-Y. (2009k). 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*, pages 565–570, New York, NY, USA. ACM.

[WEIHUA and MINRUI, 2009] WEIHUA, D. and 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*, pages 571–576, New York, NY, USA. ACM.

[WEISE and ZAPF, 2009] WEISE, T. and 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*, pages 577–584, New York, NY, USA. ACM.

[WEN *et al.*, 2009] WEN, L., LIU, G., and 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*, pages 1005–1008, New York, NY, USA. ACM.

[WOODWARD and BAI, 2009a] WOODWARD, J. R. and BAI, R. (2009a). Canonical representation genetic programming. In *GEC '09: Proceedings of the first ACM/SIGEVO Summit on Genetic and Evolutionary Computation*, pages 585–592, New York, NY, USA. ACM.

[WOODWARD and BAI, 2009b] WOODWARD, J. R. and BAI, R. (2009b). 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*, pages 593–600, New York, NY, USA. ACM.

[WU *et al.*, 2009] WU, C.-Y., ZHANG, C.-B., and WANG, C.-J. (2009). Topology optimization of structures using ant colony optimization. In *GEC '09: Proceedings of the first ACM/SIGEVO Summit on Genetic and Evolutionary Computation*, pages 601–608, New York, NY, USA. ACM.

[XIE *et al.*, 2009a] XIE, F., HE, S., LIU, X., LI, X., DU, J., YANG, J., FU, Y., CHEN, Y., WANG, J., LIU, Z., and ZHU, Q. (2009a). 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*, pages 1013–1016, New York, NY, USA. ACM.

[XIE *et al.*, 2009b] XIE, L., WANG, Z., and WU, K. (2009b). 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*, pages 617–622, New York, NY, USA. ACM.

[Xie and Zeng, 2009] Xie, L.-P. and Zeng, J.-C. (2009). A global optimization based on physicomimetics framework. In *GEC '09: Proceedings of the first ACM/SIGEVO Summit on Genetic and Evolutionary Computation*, pages 609–616, New York, NY, USA. ACM.

[Xin et al., 2009] Xin, B., Chen, J., and 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*, pages 623–630, New York, NY, USA. ACM.

[Xu et al., 2009a] Xu, B., Luo, W., Pei, X., Zhang, M., and Wang, X. (2009a). 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*, pages 631–638, New York, NY, USA. ACM.

[Xu et al., 2009b] Xu, H.-q., Ding, Y.-s., and Hu, Z.-h. (2009b). Adaptive immune genetic algorithm for logic circuit design. In *GEC '09: Proceedings of the first ACM/SIGEVO Summit on Genetic and Evolutionary Computation*, pages 639–644, New York, NY, USA. ACM.

[Xu et al., 2009c] Xu, L., Hu, H., and Zhu, B. (2009c). 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*, pages 645–650, New York, NY, USA. ACM.

[Xu et al., 2009d] Xu, L., Zhu, B., and Goodman, E. D. (2009d). 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*, pages 651–656, New York, NY, USA. ACM.

[Xu et al., 2009e] Xu, Q., Si, J., and Wang, L. (2009e). Association based immune network for multimodal function optimization. In *GEC '09: Proceedings of the first ACM/SIGEVO Summit on Genetic and Evolutionary Computation*, pages 657–664, New York, NY, USA. ACM.

[Xu et al., 2009f] Xu, S., Zhou, X., and Sun, Y.-n. (2009f). 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*, pages 665–670, New York, NY, USA. ACM.

[Xu and Gu, 2009] Xu, W. and 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*, pages 671–678, New York, NY, USA. ACM.

[Xu et al., 2009g] Xu, X., Li, Y., Wu, Y., and Du, X. (2009g). 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*, pages 679–686, New York, NY, USA. ACM.

[Xu et al., 2009h] Xu, Y., Deli, Y., and Yu, L. (2009h). 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*, pages 1017–1020, New York, NY, USA. ACM.

[Xu et al., 2009i] Xu, Y., Low, M. Y. H., and Choo, C. S. (2009i). Enhancing automated red teaming with evolvable simulation. In *GEC '09: Proceedings of the first ACM/SIGEVO Summit on Genetic and Evolutionary Computation*, pages 687–694, New York, NY, USA. ACM.

[Xu et al., 2009j] Xu, Z., Gu, X., Jiao, B., and Gu, J. (2009j). Research on job shop scheduling under uncertainty. In *GEC '09: Proceedings of the first ACM/SIGEVO Summit on Genetic and Evolutionary Computation*, pages 695–702, New York, NY, USA. ACM.

[Xue and Zeng, 2009] Xue, S. and 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*, pages 1021–1024, New York, NY, USA. ACM.

[Yan and Tang, 2009] Yan, P. and 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*, pages 703–708, New York, NY, USA. ACM.

[YAN and SUN, 2009] YAN, S. and 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*, pages 709–716, New York, NY, USA. ACM.

[YAN et al., 2009] YAN, T., SHEN, L., AN, P., WANG, H., and 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*, pages 1025–1028, New York, NY, USA. ACM.

[YANG et al., 2009a] YANG, K., YE, J., LI, Z., and QIAO, Y. (2009a). 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*, pages 1029–1032, New York, NY, USA. ACM.

[YANG et al., 2009b] YANG, Y., XIAOPING, L., YONGGANG, P., and WEI, W. (2009b). Research of fuzzy control strategy on artificial climate chest. In *GEC '09: Proceedings of the first ACM/SIGEVO Summit on Genetic and Evolutionary Computation*, pages 1033–1036, New York, NY, USA. ACM.

[YONG and ZHIMIN, 2009] YONG, S. and 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*, pages 1037–1040, New York, NY, USA. ACM.

[YU et al., 2009a] YU, B., ZENG, S., GAO, S., YAN, Z., SHI, Y., YANG, X., and XIAO, B. (2009a). 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*, pages 929–932, New York, NY, USA. ACM.

[YU et al., 2009b] YU, S., CAO, X., HU, M., DU, W., and ZHANG, J. (2009b). 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*, pages 717–724, New York, NY, USA. ACM.

[YU et al., 2009c] YU, Y.-M., ZHAO, G.-Q., and LIU, J.-D. (2009c). Hyperchaotic genetic algorithm theory and functions optimization. In *GEC '09: Proceedings of the first ACM/SIGEVO Summit on Genetic and Evolutionary Computation*, pages 1041–1044, New York, NY, USA. ACM.

[YUAN et al., 2009] YUAN, R., ZOU, X., and 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*, pages 725–730, New York, NY, USA. ACM.

[ZENG et al., 2009a] ZENG, L., ZOU, F., and XU, X. (2009a). 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*, pages 731–736, New York, NY, USA. ACM.

[ZENG et al., 2009b] ZENG, W., ZHAO, Y., and ZENG, J. (2009b). Cloud service and service selection algorithm research. In *GEC '09: Proceedings of the first ACM/SIGEVO Summit on Genetic and Evolutionary Computation*, pages 1045–1048, New York, NY, USA. ACM.

[ZHANG et al., 2009a] ZHANG, L., JIAO, Y. C., LI, H., and ZHANG, F. S. (2009a). 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*, pages 1049–1052, New York, NY, USA. ACM.

[ZHANG et al., 2009b] ZHANG, M., ZHAO, S., and WANG, X. (2009b). 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*, pages 737–744, New York, NY, USA. ACM.

[ZHANG *et al.*, 2009c] ZHANG, Q., LIU, S., AN, P., and ZHANG, Z. (2009c). Object segmentation based on disparity estimation. In *GEC '09: Proceedings of the first ACM/SIGEVO Summit on Genetic and Evolutionary Computation*, pages 1053–1056, New York, NY, USA. ACM.

[ZHANG *et al.*, 2009d] ZHANG, Q.-B., WU, T.-H., and LIU, B. (2009d). A weight based compact genetic algorithm. In *GEC '09: Proceedings of the first ACM/SIGEVO Summit on Genetic and Evolutionary Computation*, pages 1057–1060, New York, NY, USA. ACM.

[ZHANG *et al.*, 2009e] ZHANG, S.-P., DING, Y.-S., and HAO, K.-R. (2009e). 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*, pages 745–750, New York, NY, USA. ACM.

[ZHANG *et al.*, 2009f] ZHANG, X.-F., LIU, J., and DING, Y.-S. (2009f). 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*, pages 751–756, New York, NY, USA. ACM.

[ZHAO *et al.*, 2009] ZHAO, Y., WANG, J., and 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*, pages 1061–1064, New York, NY, USA. ACM.

[ZHOU *et al.*, 2009a] ZHOU, Q., CUI, X., WANG, Z., and YANG, B. (2009a). 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*, pages 757–764, New York, NY, USA. ACM.

[ZHOU *et al.*, 2009b] ZHOU, Z., ZHONGKE, S., and LI, Y. (2009b). 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*, pages 1073–1076, New York, NY, USA. ACM.

[ZHU and YANG, 2009] ZHU, M. and 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*, pages 1077–1080, New York, NY, USA. ACM.

[ZHU, 2009] 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*, pages 765–772, New York, NY, USA. ACM.

[ZHU *et al.*, 2009] ZHU, Y., DING, Y., LI, W., and 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*, pages 773–780, New York, NY, USA. ACM.

[ZHUO *et al.*, 2009] ZHUO, J., LI, J., and 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*, pages 781–786, New York, NY, USA. ACM.