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Nota di contenuto	Section I: Analysis of Genetic Algorithms -- A Novel Online Test-Sheet Composition Approach Using Genetic Algorithm -- A Route System Based on Genetic Algorithm for Coarse-Grain Reconfigurable Architecture -- Building Trade System by Genetic Algorithm -- Implementation of Parallel Genetic Algorithm Based on CUDA -- Moitf GibbsGA: Sampling Transcription Factor Binding Sites Coupled with PSFM Optimization by GA -- Network Model and Optimization of Medical Waste Reverse Logistics by Improved Genetic Algorithm -- SGEGC: A Selfish Gene Theory Based Optimization Method by Exchanging Genetic Components -- Section II: Computational Intelligence in Engineer Design -- A Novel RM-Based Algorithm for Reversible Circuits -- A Novel Transformation-Based Algorithm for Reversible Logic Synthesis -- Estimation of Distribution Algorithms for the Machine-Part Cell Formation -- Global Exponential Stability of Delayed Neural Networks with Non-lipschitz Neuron Activations and Impulses -- Modeling and Verification of Zhang Neural Networks for Online Solution of Time-Varying Quadratic Minimization and

Programming -- New Product Design Based Target Cost Control with BP Neural Network and Genetic Algorithm - A Case Study in Chinese Automobile Industry -- Hard Real Time Task Oriented Power Saving Scheduling Algorithm Based on DVS -- Section III: Optimization and Learning -- A Globally Convergent Smoothing Method for Symmetric Conic Linear Programming -- A New Optimizaiton Algorithm for Function Optimization -- A Point Symmetry-Based Automatic Clustering Approach Using Differential Evolution -- Balanced Learning for Ensembles with Small Neural Networks -- Estimating Geostatistics Variogram Parameters Based on Hybrid Orthogonal Differential Evolution Algorithm -- Memetic Strategies for Global Trajectory Optimisation -- Effects of Similarity-Based Selection on WBMOIA: A Weight-Based Multiobjective Immune Algorithm -- Section IV: Representations and Operators -- A Novel Evolutionary Algorithm Based on Multi-parent Crossover and Space Transformation Search -- An Evolutionary Algorithm and Kalman Filter Hybrid Approach for Integrated Navigation -- Clonal and Cauchy-mutation Evolutionary Algorithm for Global Numerical Optimization -- Construction of Hoare Triples under Generalized Model with Semantically Valid Genetic Operations -- Evaluation of Cobalt-Rich Crust Resources Based on Fractal Characteristics of Seamount Terrain -- Hybridizing Evolutionary Negative Selection Algorithm and Local Search for Large-Scale Satisfiability Problems -- Novel Associative Memory Retrieving Strategies for Evolutionary Algorithms in Dynamic Environments -- Section V: Robust Classification -- An Algorithm of Mining Class Association Rules -- An Empirical Study on Several Classification Algorithms and Their Improvements -- Classification of Imbalanced Data Sets by Using the Hybrid Re-sampling Algorithm Based on Isomap -- Detecting Network Anomalies Using CUSUM and EM Clustering -- Multiobjective Optimization in Mineral Resources Exploitation: Models and Case Studies -- Robust and Efficient Eye Location and Its State Detection -- Section VI: Statistical Learning -- A Neural Network Architecture for Perceptual Grouping, Attention Modulation and Boundary-Surface Interaction -- Adaptive Neighborhood Select Based on Local Linearity for Nonlinear Dimensionality Reduction -- Anti-spam Filters Based on Support Vector Machines -- Multi-attribute Weight Allocation Based on Fuzzy Clustering Analysis and Rough Sets -- Spatio-temporal Model Based on Back Propagation Neural Network for Regional Data in GIS -- Subject Integration and Applications of Neural Networks -- The Convergence Control to the ACO Metaheuristic Using Annotated Paraconsistent Logic -- The Research of Artificial Neural Network on Negative Correlation Learning -- Section VII: Swarm Intelligence -- A Discrete PSO for Multi-objective Optimization in VLSI Floorplanning -- Applying Chaotic Particle Swarm Optimization to the Template Matching Problem -- Cellular PSO: A PSO for Dynamic Environments -- Constrained Layout Optimization Based on Adaptive Particle Swarm Optimizer -- Multi-swarm Particle Swarm Optimizer with Cauchy Mutation for Dynamic Optimization Problems -- Optimization of the Damping of the Rectangular 3-D Braided Composite Based on PSO Algorithm -- Parallel Hybrid Particle Swarm Optimization and Applications in Geotechnical Engineering -- Storage-Based Intrusion Detection Using Artificial Immune Technique -- Section VIII: System Design -- A New Method for Optimal Configuration of Weapon System -- A Secure Routing Algorithm for MANET -- Detection and Defense of Identity Attacks in P2P Network -- License Plate Multi-DSP and Multi-FPGA Design and Realization in Highway Toll System -- QoS Routing Algorithm for Wireless Multimedia Sensor Networks -- Realization of Fingerprint Identification on DSP -- Localization

Algorithm of Beacon-Free Node in WSN Based on Probability -- The Method of Knowledge Processing in Intelligent Design System of Products.