1. Record Nr. UNISA996465678703316

| | |
|---|---|
| Titolo | Advances in Computation and Intelligence [[electronic resource] ] : 5th International Symposium, ISICA 2010, Wuhan, China, October 22-24, 2010, Proceedings / / edited by Zhihua Cai, Chengyu Hu, Zhuo Kang, Yong Liu |
| Pubbl/distr/stampa | Berlin, Heidelberg : , : Springer Berlin Heidelberg : , : Imprint : Springer, , 2010 |
| ISBN | 1-280-38997-4<br>9786613567895<br>3-642-16493-5 |
| Edizione | [1st ed. 2010.] |
| Descrizione fisica | 1 online resource (XV, 536 p. 227 illus.) |
| Collana | Theoretical Computer Science and General Issues, , 2512-2029 ; ; 6382 |
| Disciplina | 006.3 |
| Soggetti | Artificial intelligence<br>Application software<br>Computer science<br>Algorithms<br>Computer simulation<br>Bioinformatics<br>Artificial Intelligence<br>Computer and Information Systems Applications<br>Theory of Computation<br>Computer Modelling<br>Computational and Systems Biology |
| Lingua di pubblicazione | Inglese |
| Formato | Materiale a stampa |
| Livello bibliografico | Monografia |
| Note generali | Bibliographic Level Mode of Issuance: Monograph |
| Nota di bibliografia | Includes bibliographical references and index. |
| Nota di contenuto | Section I: Ant Colony and Particle Swarm Optimization -- A Discrete PSO-Based Fault-Tolerant Topology Control Scheme in Wireless Sensor Networks -- Retracted: Feature Selection Using Ant Colony Optimization for Text-Independent Speaker Verification System -- GPS Height Fitting Using Gene Expression Programming -- Parameter Evolution for a Particle Swarm Optimization Algorithm -- The Ant Colony Optimization Algorithm for Multiobjective Optimization Non- |

compensation Model Problem Staff Selection -- Section II: Differential Evolution -- A New Self-adaption Differential Evolution Algorithm Based Component Model -- A Novel Interpolation Method Based on Differential Evolution-Simplex Algorithm Optimized Parameters for Support Vector Regression -- A Variant of Differential Evolution Based on Permutation Regulation Mechanism -- Differential Evolution Based Band Selection in Hyperspectral Data Classification -- Diversity Analysis of Opposition-Based Differential Evolution—An Experimental Study -- Hybrid Differential Evolution Algorithm with Chaos and Generalized Opposition-Based Learning -- Self-adapting Differential Evolution Algorithm with Chaos Random for Global Numerical Optimization -- Section III: Distributed Computing -- A Concurrent-Hybrid Evolutionary Algorithms with Multi-child Differential Evolution and Guotao Algorithm Based on Cultural Algorithm Framework -- A Hierarchical Distributed Evolutionary Algorithm to TSP -- A New Distributed Node Localization Scheme Using a Mobile Beacon -- A Novel Multi-Population Genetic Algorithm for Multiple-Choice Multidimensional Knapsack Problems -- Comparative Analysis for k-Means Algorithms in Network Community Detection -- Framework for Distributed Evolutionary Algorithms in Computational Grids -- Section IV: Genetic Algorithms -- A Review of Tournament Selection in Genetic Programming -- Genetic Algorithm for Mixed Chinese Postman Problem -- Hybrid Evolutionary Algorithms Design Based on Their Advantages -- Hybridized Optimization Genetic Algorithm for QOS-Based Multicast Routing Problem -- Retroviral Iterative Genetic Algorithm for Real Parameter Function Optimization Problems -- The RM-MEDA Based on Elitist Strategy -- Section V: Multi-agent Systems -- A Proactive Perception Model in Agent-Based Software Integration and Evolution -- Algorithmic Trading Strategy Optimization Based on Mutual Information Entropy Based Clustering -- An Improved Similarity Algorithm Based on Hesitation Degree for User-Based Collaborative Filtering -- Intrusion Detection System Based on Support Vector Machine Active Learning and Data Fusion -- Long-Distant Pipeline Emergency Command Decision-Making System Based on Agent -- Sales Forecasting Based on ERP System through BP Neural Networks -- Section VI: Multi-objective and Dynamic Optimization -- Capacity Allocation Policy of Third Party Warehousing with Dynamic Optimization -- Dynamical Multi-objective Optimization Using Evolutionary Algorithm for Engineering -- Faster Convergence and Higher Hypervolume for Multi-objective Evolutionary Algorithms by Orthogonal and Uniform Design -- Multi-objective Fuzzy Clustering Method for Image Segmentation Based on Variable-Length Intelligent Optimization Algorithm -- Perspectives in Dynamic Optimization Evolutionary Algorithm -- Section VII: Robot Intelligence -- A Real Time Vision-Based Hand Gestures Recognition System -- A Virtual Robot Arm Model with Force Feedback and Contact States Identification -- Improving Reading Comprehension Using Knowledge Model -- Modular Robot Path Planning Using Genetic Algorithm Based on Gene Pool -- Pathfinder Based on Simulated Annealing for Solving Placement and Routing Problem -- Section VIII: Statistical Learning -- Application of Data Mining in Multi-Geological-Factor Analysis -- Applying an Artificial Neural Network to Building Reconstruction -- Fast Dimension Reduction Based on NMF -- Frequent Words' Grammar Information in Chinese Chunking -- Multilabel Classification Using Error Correction Codes -- Test-Cost Sensitive Classification Using Greedy Algorithm on Training Data -- Section IX: System Design -- 3-D Magnetotelluric Adaptive Finite-Element Modeling -- A Study on Modeling Evolutionary Antenna Based on ST-5 Antenna and NEC2 -- A Synthesis of Four-

Branch Microwave Antenna by Evolution Algorithm and Orthogonal Experiment -- Band Structures of Multilayer Films with Randomness -- Fast Principal Component Analysis Based on Hardware Architecture of Generalized Hebbian Algorithm -- The Data-Based Mathematical Modeling and Parameter Identification in JAK-STAT Signaling Pathway by Using a Hybrid Evolutionary Algorithm -- The Research on the Intelligent Interpreter for ISO 14649 Programs -- Erratum -- Erratum: Feature Selection Using Ant Colony Optimization for Text-Independent Speaker Verification System.