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Collana	Lecture Notes in Artificial Intelligence ; ; 4692
Disciplina	006.3
Soggetti	Artificial intelligence Application software Data mining Computers and civilization Management information systems Computer science Artificial Intelligence Information Systems Applications (incl. Internet) Data Mining and Knowledge Discovery Computer Appl. in Administrative Data Processing Computers and Society Management of Computing and Information Systems
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Note generali	"WIRN 2007 was the annual meeting of the Italian Society for Neural Networks (SIREN)"--Pref.
Nota di bibliografia	Includes bibliographical references and index.
Nota di contenuto	General Tracks -- A New Neural Network with Adaptive Activation Function for Classification of ECG Arrhythmias -- A Simple and Effective Neural Model for the Classification of Structured Patterns -- CSFNN Synapse and Neuron Design Using Current Mode Analog Circuitry -- Design of Neural Networks -- Fast Fingerprints Classification Only Using the Directional Image -- Geometric Algebra Rotors for Sub-symbolic Coding of Natural Language Sentences -- Neural Network Models for Abduction Problems Solving -- Online

Training of Hierarchical RBF -- Selecting Features by Learning Markov Blankets -- ANFIS Based Emotions Recognition in Speech -- Binary Particle Swarm Optimization for Black-Scholes Option Pricing -- Design of Very High-Speed Integer Fuzzy Controller Without Multiplications by Using VHDL -- Extended Fuzzy C-Means Clustering in GIS Environment for Hot Spot Events -- Fuzzy Fusion in Multimodal Biometric Systems -- Parameter Determination of Induction Machines by Hybrid Genetic Algorithms -- Prediction of E.Coli Promoter Gene Sequences Using a Hybrid Combination Based on Feature Selection, Fuzzy Weighted Pre-processing, and Decision Tree Classifier -- A Hybrid Symbolic-Statistical Approach to Modeling Metabolic Networks -- Boosting Support Vector Machines Using Multiple Dissimilarities -- Inductive Concept Retrieval and Query Answering with Semantic Knowledge Bases Through Kernel Methods -- Sub-symbolic Mapping of Cyc Microtheories in Data-Driven "Conceptual" Spaces -- A Belief-Desire Framework for Goal Revision -- An Investigation of Agent-Based Hybrid Approach to Solve Flowshop and Job-Shop Scheduling Problems -- Calculating Optimal Decision Using Meta-level Agents for Multi-Agents in Networks -- Determining Consensus with Dependencies of Set Attributes Using Symmetric Difference -- Field-Based Coordination of Mobile Intelligent Agents: An Evolutionary Game Theoretic Analysis -- Hybrid Filtering Methods Applied in Web-Based Movie Recommendation System -- Network Simulation in a Fragmented Mobile Agent Network -- RSS-Based Blog Agents for Educational Applications -- Soft Computing Approach to Contextual Determination of Grounding Sets for Simple Modalities -- The Statistical Verification of Rough Classification Algorithms -- Toward a Novel Multi-modal HCI: Fusion Architecture Using Confidence Score and Fuzzy Value -- Using Uncertainties as Basis for Evaluating Plans -- A Knowledge Sorting and Matrix Representation Approach for Developing Knowledge-Based Product Design Systems -- Automated Testing for Knowledge Based Systems -- Building Maintainable Knowledge Bases with Knowledge Objects -- Influenza Forecast: Case-Based Reasoning or Statistics? -- Knowledge Based Industrial Maintenance Using Portable Devices and Augmented Reality -- Modelling a Team of Radiologists for Lung Nodule Detection in CT Scans -- Parallel Computations for Logic-Algebraic Based Expert Systems -- Process Control of an Event Filter Farm for a Particle Physics Experiment Based on Expert System Technology -- The CTCN Temporal Model for Representing Knowledge in the Sleep Apnea Syndrome Diagnostic Task -- Alternative Methods of Wave Motion Modelling -- Conceptual Enrichment of Locations Pointed Out by the User -- Design of Urban Growth Probability Model by Using Spatial Association Rules -- Detecting Individual Activities from Video in a Smart Home -- Harmony Search Algorithm for Solving Sudoku -- Path Prediction of Moving Objects on Road Networks Through Analyzing Past Trajectories -- Performance Analysis of WAP in Bluetooth Ad-Hoc Network System -- Performance Evaluation of Embedded Garbage Collectors in CVM Environment -- Time Discretisation Applied to Anomaly Detection in a Marine Engine -- Using Weak Prior Information on Structures to Learn Bayesian Networks -- 3D ?-Expansion and Graph Cut Algorithms for Automatic Liver Segmentation from CT Images -- A Study on the Gesture Recognition Based on the Particle Filter -- Analysis and Recognition of Touching Cell Images Based on Morphological Structures -- Comparison of Accumulative Computation with Traditional Optical Flow -- Face Recognition Based on 2D and 3D Features -- Generalization of a Recognition Algorithm Based on the Karhunen-Loève Transform -- Intelligent Monitoring System for Driver's Alertness (A Vision Based

Approach) -- JPEG2000 Low Complexity Allocation Method of Quality Layers -- Motion Estimation Algorithm in Video Coding -- Real-Time Vision Based Gesture Recognition for Human-Robot Interaction -- Reference Independent Moving Object Detection: An Edge Segment Based Approach -- Search for a Computationally Efficient Image Super-Resolution Algorithm -- Step-by-Step Description of Lateral Interaction in Accumulative Computation -- Suitability of Edge Segment Based Moving Object Detection for Real Time Video Surveillance -- An Ontology for Modelling Human Resources Management Based on Standards -- Corpus Building for Corporate Knowledge Discovery and Management: A Case Study of Manufacturing -- Intelligent Decision Support System for Evaluation of Ship Designers -- Philosophy Ontology for Learning the Contents of Texts -- Recent Advances in Intelligent Decision Technologies -- Reinforcement Learning of Competitive Skills with Soccer Agents -- A Bootstrapping Approach for Chinese Main Verb Identification -- A Novel Method of Extracting and Rendering News Web Sites on Mobile Devices -- An Adaptation Framework for QBH-Based Music Retrieval -- An Association Method Using Concept-Base -- Fair News Reader: Recommending News Articles with Different Sentiments Based on User Preference -- Location Name Extraction for User Created Digital Content Services -- Understanding Support Method of Unknown Words Using Robot Type Search Engine -- AI Techniques for Waste Water Treatment Plant Control Case Study: Denitrification in a Pilot-Scale SBR -- An Embedded Real-Time Automatic Lane-Keeping System -- Effects of Kinematics Design on Tracking Performance of Model-Based Adaptive Control -- Fault Detection with Evolution Strategies Based Particle Filter and Backward Sequential Probability Ratio Test -- Infringing Key Authentication of an ID-Based Group Key Exchange Protocol Using Binary Key Trees -- Multiresolution ICA for Artifact Identification from Electroencephalographic Recordings -- Neural Networks for Matching in Computer Vision -- SNNR-Based Improved Multi-modal Fusion and Fission Using Fuzzy Value Based on WPS and Web -- Vision Technologies for Intelligent Vehicles -- A Geographic Event Management, Based on Set Operation Among Geographic Objects -- A Method for Judging Illogical Discourse Based on Concept Association and Common-Sense Judgment -- A Query-Strategy-Focused Taxonomy and a Customizable Benchmarking Framework for Peer-to-Peer Information Retrieval Techniques -- An Approach for Four Way Set Associative Multilevel CMOS Cache Memory -- An Intelligent Typhoon Damage Prediction System from Aerial Photographs -- Analysis and Research of Predictive Algorithm in NCS with Time Delay -- Automated Planning and Replanning in an Intelligent Virtual Environments for Training -- Determination of Illuminance Level Using ANN Model -- Efficient Content Distribution Method Based on Location and Similarity in Unstructured P2P System -- GIGISim – The Intelligent Telehealth System: Computer Aided Diabetes Management – A New Review -- Image Mining Using Wavelet Transform -- Implementation of Intelligent Active Fault Tolerant Control System -- Natural Language Understanding for Generating Grasp Actions -- New Machine Scores and Their Combinations for Automatic Mandarin Phonetic Pronunciation Quality Assessment -- Particle Swarm Optimization Applied to Vertical Traffic Scheduling in Buildings -- Person Identification Using Lip Motion Sequence -- Proposal of Method to Judge Speaker's Emotion Based on Association Mechanism -- The Automatic Peer-to-Peer Signature for Source Address Validation -- Traffic Demand Prediction Using ANN Simulator.

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