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	Soggetti	Computer science
		Software engineering
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		Image processing—Digital techniques
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	Note generali	Description based upon print version of record.
	Nota di bibliografia	Includes bibliographical references and indexes.
	Nota di contenuto	A Novel Description of Multifractal Phenomenon of Network Traffic Based on Generalized Cauchy Process -- Rotation Invariant Texture Classification Using Gabor Wavelets -- Harmful Contents Classification Using the Harmful Word Filtering and SVM -- HVEM Control System Based on Grid: A Cornerstone of e-Biology -- Speedup Analysis for Parallel Implementation of Model of Response Accuracy and Response Time in Computerized Testing -- Resource Load Balancing Based on

Multi-agent in ServiceBSP Model -- Group-Based Key Management for Multicast of Ad Hoc Sensor Network -- An Accurate and Fast WLAN User Location Estimation Method Based on Received Signal Strength -- Optimization of the Switches in Storage Networks -- Migration Control of Bio-entities in the Bio-network Middleware -- A Web Portal for Regional Projection of Weather Forecast Using GRID Middleware -- Multi-robot Cooperation Based on Hierarchical Reinforcement Learning -- Analysis on Spatio-temporal Characteristics of Wintertime Planetary Wave in the Northern Hemisphere Based on 2D FFT -- DECP: A Distributed Election Clustering Protocol for Heterogeneous Wireless Sensor Networks -- Catastrophe Prediction of Cnaphalocrosis Medinalis Based on Fuzzy Reasoning -- Preconditioned Krylov Subspace Methods Solving Dense Nonsymmetric Linear Systems Arising from BEM -- Research on Bio-inspired Multi-net Paralleling Mechanism Based on Web Application -- DRN: A CORBA-Based Distributed Resource Navigation System for Data Grid -- A Research on Local Mean in Empirical Mode Decomposition -- An Energy-Efficient Routing Method of Wireless Sensor Networks -- Rapid-Response Replication: A Fault Tolerant Algorithm Based on Active Replication -- An Algorithm for Improving Hilbert-Huang Transform -- Experiment of Event Injection Technology for Network Dependability Evaluation -- Analysis on Construction of a Sub-sea Tunnel -- Rotation Invariant Texture Classification Using Circular Gabor Filter Banks -- A Clustering Algorithm Based on Power for WSNs -- Analysis of Local Route Maintenance for Ad Hoc Network -- Evaluation of Historic Buildings Based on Structural Equation Models -- An Adaptive Energy-Efficient and Low-Latency MAC Protocol in Wireless Sensor Networks -- Healthcare Information Management System in Home Environment -- Boundary Processing of HHT Using Support Vector Regression Machines -- Water Mine Model Recognition by Immune Neural Network -- Composing Different Models of Computation in Kepler and Ptolemy II -- WS-VLAM: A GT4 Based Workflow Management System -- Distributed Applications from Scratch: Using GridMD Workflow Patterns -- Heterogeneous Workflows in Scientific Workflow Systems -- A Multi-agent System for Cross-Organizational Workflows Management Based on Process-View -- Towards a Formal Foundation for Aggregating Scientific Workflows -- Autonomic Workflow Management in the Grid -- Framework for Workflow Parallel Execution in Grid Environment -- Toward Dynamic Adoption for a User's Situation Information in a Context-Aware Workflow System -- A Dataflow-Oriented Atomicity and Provenance System for Pipelined Scientific Workflows -- Dynamic Workflow Management for P2P Environments Using Agents -- Analyzing Data Dependence Based on Workflow Net -- Knowledge-Based Grid Workflow System -- Building Scientific Workflows for Earth System Modelling with Windows Workflow Foundation -- Balancing Quality and Performance of Task Distribution in Workflow Based on Resource Aptitude -- A Process Meta Model to Support Policy Based Management in Workflow System -- Using Gavish-Grave LP to Formulate the Directed Black and White Traveling Salesman Problem -- Semicomplete Multipartite Digraphs Whose Every Arc Is Contained in a Hamiltonian Path -- The Roman Domination Problem in Unit Disk Graphs -- Binding Number and Connected (g,f?+?1)-Factors in Graphs -- Some Results on List Total Colorings of Planar Graphs -- Linear Polynomial-Time Algorithms To Construct 4-Connected 4-Regular Locally Connected Claw-Free Graphs -- Connectivity of Connected Bipartite Graphs with Two Orbits -- Heavy Cycles in 2-Connected Weighted Graphs with Large Weighted Degree Sums -- Componentwise Complementary Cycles in Almost Regular 3-Partite Tournaments --

Sharp Bounds for the Oriented Diameters of Interval Graphs and 2-Connected Proper Interval Graphs -- A Class of Graphs of f-Class 1 -- The Vertex-Neighbor-Integrity of Digraphs -- Hamiltonian Connected Line Graphs -- A Degree-Condition for (s, t)-Supereulerian Graphs -- On (s, t)-Supereulerian Locally Connected Graphs -- A Linear Algorithm for Edge-Face Coloring Series-Parallel Graphs -- Even Factors with Degree at Most Four in Claw-Free Graphs -- Finding the (n, k, 0)-Extendability in Bipartite Graphs and Its Application -- An Algorithm to Solve the Partition into Perfect Matchings Problem in Halin Graphs -- A Graph-Theory Algorithm for WCET Estimation -- Context-Aware Optimal Assignment of a Chain-Like Processing Task onto Chain-Like Resources in M-Health -- On Efficiency Group Multicasting Algorithm with Multiple Minimum Steiner Trees -- The Edge Connectivity of Circuit Graphs of Matroids -- An Incremental Learning Algorithm Based on Rough Set Theory -- On f-Edge Cover-Coloring of Simple Graphs -- Upper Bounds on the D(?)-Vertex-Distinguishing Edge-Chromatic Numbers of Graphs -- The Equitable Edge-Coloring of Series-Parallel Graphs -- A Low Complexity Intrusion Detection Algorithm -- Most Power Reliable Paths Algorithm for Maximizing the Lifetime of Energy Constrained Sensor Networks -- From Mathematics to Software Engineering: Introducing Category Theory into the Computer Science Curriculum -- Avatar Augmented Annotation Interface for e-Learning -- Education–Oriented Virtual Environment for Clothing Thermal Functional Performance -- A Question Understanding Model Based on Knowledge Points for Chinese Question Answering Service in E-Learning -- Focus and Attitude in Computer-Mediated Peer Assessment: ePortfolios Methods in Chinese Context -- eCSM: Semantic Classification Model for Educational Repositories -- Distance Geographic Learning Based on Collaborative Virtual Environment -- A Distance Learning System for Robotics -- Personalized Recommendation Service System in E-Learning Using Web Intelligence -- Mobile Peer-to-Peer Technology Used in Mobile Education Field -- A Model of Facial Expression for 3D Avatar -- Investigation on E-Learning Adoption Intention Among Chinese Undergraduates Via Innovation Adoption Theory -- E-Learning Assistant System Based on Virtual Human Interaction Technology -- Research on Speech Emotion Recognition System in E-Learning -- A General-Purpose Mobile Framework for Situated Learning Services on PDA -- Construction of Virtual Learning Environments of Lushan Mountain -- A Collaborative Teaching Approach Using Integrated Electronic Environments for Information Security -- Research on Advanced Distributed Learning by Using SCORM -- Research on Affective State Recognition in E-Learning System by Using Neural Network -- One Learning and Teaching Tool for Preliminary Virtual Instrument Course -- Research on Personalized Community E-Learning Recommendation Service System by Using Adaptive Filtering Algorithm -- Research on Personalized E-Learning System Using Fuzzy Set Based Clustering Algorithm -- Building a Fuzzy Ontology of Edutainment Using OWL -- A Modeling and Assessing Method Based on Bayesian Networks -- Research on Affective Computing Model in E-Learning System -- Learning Assessment Model in Web-Learning Based on Rough Set -- Computational Sciences Learning Project for Pre-university Students -- A Study on Fast Preparation of Electron Microscope Biological Specimens -- A New Approach to Outlier Detection -- High-Dimensional Clustering Method for High Performance Data Mining -- Clustering Streaming Time Series Using CBC -- Support Vector Machine Detection of Peer-to-Peer Traffic in High-Performance Routers with Packet Sampling: Nonlinear Kernel Approach -- An Algorithm for Generating Classification Rules Based on

Extended Function Dependency -- A Problem Oriented Approach to Data Mining in Distributed Spatio-temporal Database -- Data Set Homeomorphism Transformation Based Meta-clustering -- A Leave-One-Out Bound for ??Support Vector Regression -- A New Multi-class SVM Algorithm Based on One-Class SVM -- Pushing Frequency Constraint to Utility Mining Model -- Feature Selection for VIP E-Mail Accounts Analysis -- A Distributed Data Mining System for a Novel Ubiquitous Healthcare Framework -- A Framework for Data Structure-Guided Extraction of XML Association Rules -- Online Burst Detection Over High Speed Short Text Streams -- Parallel Computing of Kernel Density Estimates with MPI -- Quantization Error and Accuracy-Performance Tradeoffs for Embedded Data Mining Workloads -- Adaptive Mining the Approximate Skyline over Data Stream -- Generating Value from Textual Discovery -- A Flexible Image Retrieval Framework -- Privacy Preserving Data Mining Research: Current Status and Key Issues -- Combining Classifiers for Web Violent Content Detection and Filtering -- Using WordNet to Disambiguate Word Senses for Text Classification -- Construction of Ontology-Based Software Repositories by Text Mining -- Estimating the Change of Web Pages -- Concept Level Web Search Via Semantic Clustering -- An Efficient XML Index Structure with Bottom-Up Query Processing -- Similarity Search Algorithm for Efficient Sub-trajectory Matching in Moving Databases -- Using Intrinsic Object Attributes for Incremental Content Based Image Retrieval with Histograms -- A Novel Method Providing Multimedia Contents According to Preference Clones in Mobile Environment -- Belief Combination for Uncertainty Reduction in Microarray Gene Expression Pattern Analysis -- Application of Classification Methods to Individual Disability Income Insurance Fraud Detection -- A Bayesian Multilevel Modeling Approach for Data Query in Wireless Sensor Networks .