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Nota di contenuto	The Design for High Dynamic GPS Receiver in a Combinated Method of FLL and PLL -- The Modeling of Grid Workflow Service Based on GSCPN -- A Voice Conversion Method Based on the Separation of Speaker-specific Characteristics -- The Application of Information Security on the Computer Terminals of 3rd-generation Nuclear Power Plant -- Comprehensive Feature Index for Meridian Information Based on Principal Component Projection -- The Centralized Maintenance Mode of SAP System Based on Finance Shared Service Center -- An improved Method of Polyphase Filter Banks Channelization -- An Approach for Large Scale Retrieval Using Peer-to-Peer Network Based on Interest Community -- A RouterUpdate Method for Tor Anonymous Communication System -- Management of Construction Schedules Based on Building Information Modeling Technology -- P-Hub Airline Network Design Incorporating Interaction Between Elastic Demand and Network Structure -- Aggregation Operators of Interval Grey Numbers and Their use in Grey Multi-attribute Decision- Making -- The

Information Discovery Service of Electronic Product Code Network -- Modeling Goals for Information System by a Heuristic Way -- Environment Monitoring System Based on Internet of Things -- Utility Theory Based Approach for Converged Telecommunications Applications -- Open the Black Box of Information Technology Artifact: Underlying Technological Characteristics Dimension and its Measurement -- Joint Optimization about Pattern Synthesis of Circular Arrays Based on the Niche Genetic Algorithm -- The Application of Wavelet Analysis and BP Neural Network for the Early Diagnosis of Coronary Heart Disease -- Using More Initial Centers for the Seeding-based Semi-supervised K-harmonic Means Clustering -- Analysis and Optimization of CFS Scheduler on NUMA-based Systems -- Web Crawler for Event-Driven Crawling of AJAX-Based Web Applications -- On the Universal Approximation Capability of Flexible Approximate Identity Neural Networks -- A Spectral ClusteringAlgorithm Based on Particle Swarm Optimization -- A Framework for Porting Linux OS to a cc-NUMA Server Based on Loongson Processors -- Optimization for the Locations of B2C E-Commerce Distribution Network Based on an Improved Genetic Algorithm -- An Improved Multi-Objective Differential Evolution Algorithm with an Adaptive Crossover Rate -- Research on Semantic Based Distributed Service Discovery in P2P Environments/Networks -- Fast String Matching Algorithm Based on the Skip Algorithm -- Burst Signal Sorting Based on the Phase Continuity -- Fast Recapture and Positioning Algorithm Based on PMF-FFT Structure -- An Evaluation Computing Method Based on Cloud Model with Core Space and Its Application: Bridges Management Evaluation -- A Game Theory Based MapReduce Scheduling Algorithm -- Dynamic USBKEY System on Multiple Verification Algorithm -- Anomaly Detection Algorithm Based on Pattern Density in Time Series -- Integrative Optimal Design of Experiments with Multiple Sources -- Fast Image Reconstruction Algorithm for Radio Tomographic Imaging -- Reliability Monitoring Algorithm in Multi-constellation Satellite Navigation -- CTL Model Checking Algorithm Using MapReduce -- LBSG: a Load Balancing Scenario Based on Genetic Algorithm -- Improved Ant Colony Algorithm for the Constrained Vehicle Routing -- Active Queue Management Mechanism Based on DiffServ in MPLS Networks -- The Analysis and Implementation of Universal Workflow with Partition Algorithm on Finite Field -- Optimization for the Logistics Network of Electric Power Enterprise Based on a Mixed MCPSO and Simulated Annealing Algorithm -- Bi-level Programming Model and Taboo Search Algorithm in Industrial Location under the condition of Random Price -- Electrophysiological Correlates of Processing Visual Target Stimuli during a Visual Oddball Paradigm: an Event-related Potential Study -- Realization of Equipment Simulation Training System Based on Virtual Reality Technology -- Super Sparse Projection Reconstruction of Computed Tomography Image Based-on Reweighted Total Variation.-Sea Wave Filter Design for Cable-height Control system of Anti-submarine Helicopter -- Reversible Watermarking Based on Prediction-Error Expansion for 2D Vector Maps -- An Object Tracking Approach Based on Hu Moments and ABCshift -- Motion Blur Identification Using Image Statistics for Coded Exposure Photography -- Medical Images Fusion using Parameterized Logarithmic Image Processing Model and Wavelet Sub-band Selection Schemes -- Insect Extraction Based on the Improved Color Channel Comparison Method -- Combining Steerable Pyramid and Gaussian Mixture Models for Multi-Modal Remote Sensing Image Registration -- Offset Modify in Histogram Testing of Analog-to-digital Converter Based on Sinewave -- Image Text Extraction Based on Morphology and Color Layering --

Face Detection Using Ellipsoid Skin Model -- Emergency Pre-Warning Decision Support System Based on Ontology and Swrl -- Feature Reduction Using Locally Linear Embedding and Distance Metric Learning -- An Autonomous Rock Identification Method for Planetary Exploration -- Recognition of CD4 Cell Images Based on SVM with an Improved Parameter -- A Method of Automatic Regression Test Scope Selection Using Features Digraph -- The Development of the Wireless Vehicle Detector Data Receiving and Processing Host System -- The Feature Extraction of Rolling Bearing Fault Based on Wavelet Packet-empirical mode decomposition and Kurtosis Rule -- Robot Perception Based on Different Computational Intelligence Techniques -- Study on Technique for GPS IF Signal Simulation -- New Method of Image Denoising Based on Fractional Wavelet Transform -- Semantic Representation of Role & Task Based Access Control -- New Immersive Display System Based on Single Projector and Curved Surface Reflector -- Self-Adaptive Cloth Simulation Method Based on Human Ring Data -- Combination Approach of SVM Ensembles and Resampling Method for Imbalanced Datasets -- Join Optimization for Large-scale Data Analysis in MapReduce -- Key Technologies of Data Preparation for Simulation Systems -- Suspend-to-PCM: A New Power-Aware Strategy for Operating System's Rapid Suspend and Resume -- A Web Content Recommendation Method Based on Data Provenance Tracing and Forecasting -- Research and Implementation of Massive Data Atlas Visual Strategy -- The Autonomous System Topology Build Method Based on Multi-Source Data Fusion -- Salinity Time Series Prediction and Forecasting Using Dynamic Neural Networks in the Qiantang River Estuary -- An Adaptive Packet Loss Recovery Method for Peer-to-Peer Video Streaming over Wireless Mesh Network.-Measurement of Deformed Surface and Key Data Processing Based on Reverse Engineering -- Post-Hoc Evaluation Model for Development Workload of Gait Characteristic Database System -- Acquisition Time Performance of Initial Cell Search in 3GPP LTE System -- Multi-Agent System Set for Software Maintainability Design -- Wireless Video Transmission System Based on WIFI -- The Self-adapted Taxi Dispatch Platform Based on Geographic Information System -- Contract-based Combined Component Interaction Graph Generation -- An Improved Weighted Averaging Method for Evidence Fusion -- Optimization for Family Energy Consumption in Real-time Pricing Environment -- The Implementation with the Network Data Security on the Secure Desktop -- The Integration of Temporal Database and Vague Set -- New Regional Investors Discovery by Web Mining -- Enhancing Ability of Fault Detection for Component Systems Based on Object Interactions Graph -- A Method of Deploying Virtual Machine on Multi-Core CPU in Decomposed Way -- An MDA Based Widget Development Framework -- Design of Real-Time Fire Evacuees' State Information Verification System for Fire Rescue -- Detection and Analysis of Unidirectional Links in Mobile Ad Hoc Network under Nuclear Power Plants Environment -- Real-time Motion Detection in Dynamic Scenes -- Using Kohonen Cluster to Identify Time-of-day Break Points of Intersection -- Botnet Emulation:Challenges and Techniques -- A New System for Summoning and Scheduling Taxis -- A Social Interest Indicator Based Mobility Model for Ad Hoc Network -- Topological Map and Probability Model of the Multiple Plane and Multiple Stage Packet Switching Fabric -- Virtual Reality Enhanced Rehabilitation Training Robot for Early Spinal Cord Injury -- Syntactic Rules of Spatial Relations in Natural Language -- An Improved Plagiarism Detection Method - Model and Sample -- The Application of I/O Virtualization Framework in TaiShan Nuclear Power Plant -- Application of Virtual Reality

Techniques for Simulation in Nuclear Power Plant -- SCM-BSIM: A Non-Volatile Memory Simulator Based on BOCHS -- Model of Horizontal Technological Alliance Based on Energy Efficiency -- Evaluating Life-cycle Matrix Model for Mobile Social Network -- Regulation and Environmental Innovation: Effect and Regional Disparities in China -- The Organizational Innovation Path Formation Mechanism of Innovative-oriented Enterprises Based on Effect Elements -- Assessment of S&T Progress' Share in China Provincial Economy Growth -- Inter-firm Innovation Networks: the Impact of Scale-free Property on Firm Innovation -- Dynamic Analysis on Significant Risk of Innovative Enterprise during the Strategic Transformation Period -- The Development of State-level Science and Technology Industrial Parks in China: Industry Clustering or Enterprises Gathering? -- Evaluation of Person-Job Fit on Knowledge Workers Integrating AHP and BP Neural Network -- Discussion of ITM-based Human Resources Planning and Management: an Example of W Corporation -- Is Inequality or Deficiency the Real Trouble?—The Influencing Factors of the Income Satisfaction of Chinese Sci-tech Personnel -- Understanding College Students' Knowledge Sharing Willingness in Virtual Academic Community:A Survey Study -- An Application of Entrepreneurship Score Model in Colle.

Sommario/riassunto

This book aims to examine innovation in the fields of information technology, software engineering, industrial engineering, management engineering. Topics covered in this publication include; Information System Security, Privacy, Quality Assurance, High-Performance Computing and Information System Management and Integration. The book presents papers from The Second International Conference for Emerging Technologies Information Systems, Computing, and Management (ICM2012) which was held on December 1 to 2, 2012 in Hangzhou, China.