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Based on Dependency Term -- An Expert System Based Approach to Modeling and Selecting Requirement Engineering Techniques -- Web Access Latency Reduction Using CRF-Based Predictive Caching -- Web Information Extraction -- A Property Restriction Based Knowledge Merging Method -- A Multi-view Approach for Relation Extraction -- Self-similarity Clustering Event Detection Based on Triggers Guidance -- Analysis and Interpretation of Semantic HTML Tables -- Web Information Classification -- An Improved Feature Selection for Categorization Based on Mutual Information -- A Feature Selection Method Based on Fisher's Discriminant Ratio for Text Sentiment Classification -- Web Mining -- Mining Preferred Traversal Paths with HITS -- Link Analysis on Government Website Based-on Factor -- WAPS: An Audio Program Surveillance System for Large Scale Web Data Stream -- Hot Topic Detection on BBS Using Aging Theory -- Semantic Web and Ontologies -- A Heuristic Algorithm Based on Iteration for Semantic Telecommunications Service Discovery -- An Improved Storage and Inference Method for Ontology Based Remote Sensing Interpretation System -- SASL: A Semantic Annotation System for Literature -- Applications -- Multi-issue Agent Negotiation Based on Fairness -- A Hemodynamic Predict of an Intra-Aorta Pump Application in Vitro Using Numerical Analysis -- The Sampling Synchronization of the Chaotic System with Different Structures Based on T-S Model -- Web Information Systems for Monitoring and Control of Indoor Air Quality at Subway Stations -- A Layered Overlay Multicast Algorithm with PSO for Routing Web Streams -- Solving University Course Timetabling Problems by a Novel Genetic Algorithm Based on Flow -- XML and Semi-structured Data -- Indexing Temporal XML Using FIX -- Semantic Structural Similarity Measure for Clustering XML Documents -- A Bloom Filter Based Approach for Evaluating Structural Similarity of XML Documents -- Web Services -- Similarity Based Semantic Web Service Match -- Clustering-Based Semantic Web Service Matchmaking with Automated Knowledge Acquisition -- An Efficient Approach to Web Service Selection -- Constraint Web Service Composition Based on Discrete Particle Swarm Optimization -- A QoS-Aware Service Selection Approach on P2P Network for Dynamic Cross-Organizational Workflow Development -- Semantic Model Driven Architecture Based Method for Enterprise Application Development -- Modeling and Analyzing Web Service Behavior with Regular Flow Nets -- Research on Passive Optical Network Based on Ant Colony Algorithms for Bandwidth Distribution in Uplink Direction -- Multifactor-Driven Hierarchical Routing on Enterprise Service Bus -- A Mechanism of Modeling and Verification for SaaS Customization Based on TLA -- EPN-Based Web Service Composition Approach -- Intelligent Networked Systems -- Quantum CSMA/CD Synchronous Communication Protocol with Entanglement -- Development of EPA Protocol Information Enquiry Service System Based on Embedded ARM Linux -- EasyKSORD: A Platform of Keyword Search Over Relational Databases -- Information Security -- Real-Time and Self-adaptive Method for Abnormal Traffic Detection Based on Self-similarity -- Trust-Based Fuzzy Access Control Model Research -- An Evaluation Model of CNO Intelligence Information Confidence -- A Verified Group Key Agreement Protocol for Resource-Constrained Sensor Networks -- A Bulk Email Oriented Multi-party Non-repudiation Exchange Protocol -- Software Fault Feature Clustering Algorithm Based on Sequence Pattern -- Identification of Malicious Web Pages by Inductive Learning -- The Handicap Principle for Trust in Computer Security, the Semantic Web and Social Networking -- Formal Analysis of Fairness in E-Payment Protocol Based on Strand Space -- E-Learning -- Research for Data Mining Applying in the Architecture of Web-Learning

-- Design E-learning Recommendation System Using PIRT and VPRS Model -- Dynamic Content Manager – A New Conceptual Model for E-Learning -- A User Behavior Perception Model Based on Markov Process -- E-commerce -- The Knowledge Sharing Based on PLIB Ontology and XML for Collaborative Product Commerce -- Reinforcement Learning Based Web Service Compositions for Mobile Business -- Will Commodity Properties Affect Seller's Creditworthy: Evidence in C2C E-commerce Market in China -- Trust Model Based on M-CRGs in Emergency Response -- Distributed Systems -- Research on a Queue Scheduling Algorithm in Wireless Communications Network -- Mixed H₂/H_∞ Control for Networked Control Systems (NCSs) with Markovian Packet-Loss -- Research on the Trust-Adaptive Scheduling for Data-Intensive Applications on Data Grids -- Robust Stability of Multi-variable Networked Control Systems with Random Time Delay.

Sommario/riassunto

This book constitutes the refereed proceedings of the International Conference on Web Information Systems and Mining, WISM 2009, held in Shanghai, China, on November 7-8, 2009. The 61 revised full papers presented in this volume were carefully reviewed and selected from 598 submissions. The papers are organized in topical sections on web information retrieval, web information extraction, web information classification, web mining, semantic web and ontologies, applications, XML and semi-structured data, web services, intelligent networked systems, information security, E-learning, E-commerce, and distributed systems.
