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Nota di bibliografia	Includes bibliographical references and index.
Nota di contenuto	Analyzing Data Quality Using Data Auditor -- Analyzing Data Quality Using Data Auditor -- Rebuilding the World from Views -- Approximate Query Processing in Sensor Networks -- Web Data I -- Duplicate Identification in Deep Web Data Integration -- Learning to Detect Web Spam by Genetic Programming -- Semantic Annotation of Web Objects Using Constrained Conditional Random Fields -- Time Graph Pattern

Mining for Web Analysis and Information Retrieval -- Networked Data
-- FISH: A Novel Peer-to-Peer Overlay Network Based on Hyper-
deBruijn -- Continuous Summarization of Co-evolving Data in Large
Water Distribution Network -- Proactive Replication and Search for Rare
Objects in Unstructured Peer-to-Peer Networks -- SWORDS: Improving
Sensor Networks Immunity under Worm Attacks -- Efficient Multiple
Objects-Oriented Event Detection Over RFID Data Streams -- Social
Networks -- CW2I: Community Data Indexing for Complex Query
Processing -- Clustering Coefficient Queries on Massive Dynamic Social
Networks -- Predicting Best Answerers for New Questions in
Community Question Answering -- Semantic Grounding of
Hybridization for Tag Recommendation -- Rich Ontology Extraction
and Wikipedia Expansion Using Language Resources -- Cloud
Computing -- Fine-Grained Cloud DB Damage Examination Based on
Bloom Filters -- XML Structural Similarity Search Using MapReduce --
Comparing Hadoop and Fat-Btree Based Access Method for Small File
I/O Applications -- Data Mining I -- Mining Contrast Inequalities in
Numeric Dataset -- Users' Book-Loan Behaviors Analysis and
Knowledge Dependency Mining -- An Extended Predictive Model
Markup Language for Data Mining -- A Cross-Media Method of
Stakeholder Extraction for News Contents Analysis -- Stream
Processing -- An Efficient Approach for Mining Segment-Wise
Intervention Rules in Time-Series Streams -- Automated Recognition of
Sequential Patterns in Captured Motion Streams -- Online Pattern
Aggregation over RFID Data Streams -- Cleaning Uncertain Streams by
Parallelized Probabilistic Graphical Models -- Graph Processing --
Taming Computational Complexity: Efficient and Parallel SimRank
Optimizations on Undirected Graphs -- DSI: A Method for Indexing
Large Graphs Using Distance Set -- K-Radius Subgraph Comparison for
RDF Data Cleansing -- Query Processing -- A Novel Framework for
Processing Continuous Queries on Moving Objects -- Group Visible
Nearest Neighbor Queries in Spatial Databases -- iPoc: A Polar
Coordinate Based Indexing Method for Nearest Neighbor Search in High
Dimensional Space -- Join Directly on Heavy-Weight Compressed Data
in Column-Oriented Database -- Potpourri -- Exploiting Service
Context for Web Service Search Engine -- Building Business Intelligence
Applications Having Prescriptive and Predictive Capabilities --
FileSearchCube: A File Grouping Tool Combining Multiple Types of
Interfile-Relationships -- Trustworthy Information: Concepts and
Mechanisms -- Web Data II -- How to Design Kansei Retrieval Systems?
-- Detecting Hot Events from Web Search Logs -- Evaluating
Truthfulness of Modifiers Attached to Web Entity Names -- Searching
the Web for Alternative Answers to Questions on WebQA Sites --
Domain-Independent Classification for Deep Web Interfaces -- Data
Mining II -- Data Selection for Exact Value Acquisition to Improve
Uncertain Clustering -- Exploring the Sentiment Strength of User
Reviews -- Semantic Entity Detection by Integrating CRF and SVM -- An
Incremental Method for Causal Network Construction -- DCUBE: CUBE
on Dirty Databases -- XML and Images -- An Algorithm for Incremental
Maintenance of Materialized XPath View -- Query Processing in INM
Database System -- Fragile Watermarking for Color Image Recovery
Based on Color Filter Array Interpolation -- A Hybrid-Feature-Based
Efficient Retrieval over Chinese Calligraphic Manuscript Image
Repository -- Efficient Filtering of XML Documents with XPath
Expressions Containing Ancestor Axis -- New Hardware -- ACAR: An
Adaptive Cost Aware Cache Replacement Approach for Flash Memory
-- GPU-Accelerated Predicate Evaluation on Column Store -- MOSS-DB:
A Hardware-Aware OLAP Database -- Similarity Search -- Efficient

Duplicate Record Detection Based on Similarity Estimation -- A Novel Composite Kernel for Finding Similar Questions in CQA Services -- Efficient Similarity Query in RFID Trajectory Databases -- Information Extraction -- Context-Aware Basic Level Concepts Detection in Folksonomies -- Extracting 5W1H Event Semantic Elements from Chinese Online News -- Automatic Domain Terminology Extraction Using Graph Mutual Reinforcement -- Knowledge Discovery -- Semi-supervised Learning from Only Positive and Unlabeled Data Using Entropy -- Margin Based Sample Weighting for Stable Feature Selection -- Associative Classifier for Uncertain Data -- Information Integration -- Automatic Multi-schema Integration Based on User Preference -- EIF: A Framework of Effective Entity Identification -- A Multilevel and Domain-Independent Duplicate Detection Model for Scientific Database -- Extending Databases -- Generalized UDF for Analytics Inside Database Engine -- Efficient Continuous Top-k Keyword Search in Relational Databases -- V Locking Protocol for Materialized Aggregate Join Views on B-Tree Indices -- Web Information Credibility.

Sommario/riassunto

WAIM is a leading international conference on research, development, and applications of Web technologies, database systems, and information management. Traditionally, WAIM has drawn the strongest participation from the Asia-Pacific region. The previous WAIM conferences were held in Shanghai (2000), Xi'an (2001), Beijing (2002), Chengdu (2003), Dalian (2004), Hangzhou (2005), Hong Kong (2006), Huangshan (2007), Zhangjiajie (2008), and Suzhou (2009). In 2010, WAIM was held in Jiuzhaigou, Sichuan, China. This high-quality program would not have been possible without the authors who chose WAIM for disseminating their contributions. Out of 205 submissions from 16 countries and regions, including Australia, Canada, France, Germany, Hong Kong, Japan, Korea, Macau, Malaysia, Mainland China, Saudi Arabia, Singapore, Taiwan, Thailand, UK, and USA, we selected 58 full papers and 11 short papers for publication. The acceptance rate for regular full papers was 28%. The contributed papers addressed a wide range of topics such as Web, XML, and multimedia data, data processing in the cloud or on new hardware, data mining and knowledge discovery, information integration and extraction, networked data and social networks, graph and stream processing, similarity search, etc. We are also grateful to our distinguished keynote speakers Prof. Jianzhong Li, Dr. Divesh Srivastava, Prof. Katsumi Tanaka, and Prof. Xiaofang Zhou. A conference like WAIM can only succeed as a team effort. We want to thank the Program Committee members and the reviewers for their invaluable efforts.
