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Nota di contenuto	Keynote Talk -- Challenges for Dataset Search -- Invited Paper from Recipients of Ten-Year Best Paper Award -- Secure Computation on Outsourced Data: A 10-year Retrospective -- Big Data Management -- Online Indexing and Distributed Querying Model-View Sensor Data in the Cloud -- Discovery of Areas with Locally Maximal Confidence from Location Data -- Multi-way Theta-Join Based on CMD Storage Method -- MIGSOM: A SOM Algorithm for Large Scale Hyperlinked Documents Inspired by Neuronal Migration -- Indexing and Query Processing -- Scalable Numerical Queries by Algebraic Inequality Transformations --

SAQR: An Efficient Scheme for Similarity-Aware Query Refinement --
Concurrent Execution of Mixed Enterprise Workloads on In-Memory
Databases -- On Data Partitioning in Tree Structure Metric-Space
Indexes -- Graph Data Management -- Improving Performance of
Graph Similarity Joins Using Selected Substructures -- Linear Path
Skyline Computation in Bicriteria Networks -- Label and Distance-
Constraint Reachability Queries in Uncertain Graphs -- Privacy-
Preserving Reachability Query Services -- Spatio-temporal Data
Management SKY R-tree: An Index Structure for Distance-Based Top-k
Query -- Causal Structure Discovery for Spatio-temporal Data Efficient
Processing of Which-Edge Questions on Shortest Path Queries --
Reconciling Multiple Categorical Preferences with Double Pareto-Based
Aggregation -- Database for Emerging Hardware CARIC-DA: Core
Affinity with a Range Index for Cache-Conscious Data Access in a
Multicore Environment -- Approximating an Energy-Proportional DBMS
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Computation for Multicore Architectures -- Data Mining -- Greedy
Filtering: A Scalable Algorithm for K-Nearest Neighbor Graph
Construction -- On Mining Proportional Fault-Tolerant Frequent
Itemsets -- An Efficient K-means Clustering Algorithm on MapReduce
-- Efficient Mining of Density-Aware Distinguishing Sequential Patterns
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Identifying Top k Dominating Objects over Uncertain Data --
Probabilistic Reverse Top-k Queries -- Monitoring Probabilistic
Threshold SUM Query Processing in Uncertain Streams -- Efficient
Processing of Probabilistic Group Nearest Neighbor Query on Uncertain
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Analysis of Ranking-Oriented Collaborative Filtering from the
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Unsupervised Model for Microblog Sentiment Analysis Incorporating
Link Information -- Location Oriented Phrase Detection in Microblogs
-- Data Mining -- Ensemble Pruning: A Submodular Function
Maximization Perspective -- Identify and Trace Criminal Suspects in the
Crowd Aided by Fast Trajectories Retrieval -- Multi-Output Regression
with Tag Correlation Analysis for Effective Image Tagging -- The
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Application to Social Event Detection -- Spatio-temporal Data
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Neighbor Queries on Uncertain Moving Object Trajectories --
Selectivity Estimation of Reverse k-Nearest Neighbor Queries -- Graph
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Temporal Dynamics for Similarity Search in Heterogeneous Information
Networks -- Top-k Similarity Matching in Large Graphs with Attributes
-- On Perspective-Aware Top-k Similarity Search in Multi-relational
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Social Data Management -- Any Suggestions? Active Schema Support
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Recommendation System -- Camel: A Journey Group T-Pattern Mining
System Based on Instagram Trajectory Data -- Harbinger: An Analyzing
and Predicting System for Online Social Network Users' Behavior --
Cloud-Scale Transaction Processing with ParaDB System: A
Demonstration -- BSMA-Gen: A Parallel Synthetic Data Generator for
Social Media Timeline Structures -- A Mobile Log Data Analysis System
Based on Multidimensional Data Visualization -- Tutorials --
Similarity-Based Analytics for Trajectory Data: Theory, Algorithms and
Applications -- Graph Mining Approaches: From Main Memory to
Map/Reduce -- Crowdsourced Algorithms in Data Management.

Sommario/riassunto

This two volume set LNCS 8421 and LNCS 8422 constitutes the refereed proceedings of the 19th International Conference on Database Systems for Advanced Applications, DASFAA 2014, held in Bali, Indonesia, in April 2014. The 62 revised full papers presented together with 1 extended abstract paper, 4 industrial papers, 6 demo presentations, 3 tutorials and 1 panel paper were carefully reviewed and selected from a total of 257 submissions. The papers cover the following topics: big data management, indexing and query processing, graph data management, spatio-temporal data management, database for emerging hardware, data mining, probabilistic and uncertain data management, web and social data management, security, privacy and trust, keyword search, data stream management, and data quality.
