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Proceedings

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Preface

The annual international conference on Database and Expert Systems Applications (DEXA) is now well established as a reference scientific event. The reader will find in this volume a collection of scientific papers that represent the state of the art of research in the domain of data, information and knowledge management, intelligent systems, and their applications.

The 20th edition of the series of DEXA conferences was held at the Johannes Kepler University of Linz, from August 31 to September 4, 2009.

Several collocated conferences and workshops covered specialized and complementary topics to the main conference topic. Seven conferences—the 11th International Conference on Data Warehousing and Knowledge Discovery (DaWaK), the 10th International Conference on Electronic Commerce and Web Technologies (EC-Web), the 8th International Conference on Electronic Government (EGOV), the 6th International Conference on Trust, Privacy, and Security in Digital Business (Trust-Bus), the 4th International Conference on Industrial Applications of Holonic and Multi-Agent Systems (HoloMAS), the First International Conference on eParticipation (ePart), and the Second International Conference on Data Management in Grid and P2P Systems (GLOBE)—and 14 workshops are collocated with DEXA.

These events formed a unique international forum with a balanced depth and breadth of topics. Its much appreciated conviviality fostered unmatched opportunities to meet, share the latest scientific results and discuss the latest technological advances in the area of information technologies with both young scientists and engineers and senior world-renown experts.

This volume contains the papers selected for presentation at the DEXA conference. Each submitted paper was reviewed by at least three reviewers, members of the Program Committee or external reviewers appointed by members of the Program Committee. Based on the reviews, the Program Committee accepted two categories of papers: 35 regular papers and 35 short papers of the 202 originally submitted papers. Regular papers were given maximum 15 pages in the proceedings to report their results as well as a 25-minute presentation slot in the conference. Short papers were given an 8-page limit and a 15-minute presentation slot.

The excellence brought to you in these proceedings would not have been possible without the efforts of numerous individuals and the support of several organizations.

First and foremost, we thank the authors for their hard work and for the quality of their submissions. We also thank the members of the Program Committee, the reviewers, and many others who assisted in the organization for their contribution to the success and high standard of DEXA 2009 and of these proceedings.

Finally we thank the DEXA Association, the Austrian Computer Society, the Research Institute for Applied Knowledge Processing (FAW), and the Johannes Kepler University of Linz for making DEXA 2009 happen.

June 2009

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Table of Contents

Invited Talk

Management of Information Supporting Collaborative Networks	1
<i>Hamideh Afsarmanesh and Luis M. Camarinha-Matos</i>	

XML and Databases I

A Low-Storage-Consumption XML Labeling Method for Efficient Structural Information Extraction	7
<i>Wenxin Liang, Akihiro Takahashi, and Haruo Yokota</i>	
Inclusion Dependencies in XML: Extending Relational Semantics	23
<i>Michael Karlinger, Millist Vincent, and Michael Schrefl</i>	
The Real Performance Drivers behind XML Lock Protocols	38
<i>Sebastian Bächle and Theo Härder</i>	

XML and Databases II

XTaGe: A Flexible Generation System for Complex XML Collections . . .	53
<i>María Pérez, Ismael Sanz, and Rafael Berlanga</i>	
Utilizing XML Clustering for Efficient XML Data Management on P2P Networks	68
<i>Panagiotis Antonellis, Christos Makris, and Nikos Tsirakis</i>	
On the Termination Problem for Declarative XML Message Processing	83
<i>Tadeusz Litak and Sven Helmer</i>	

Web, Semantics and Ontologies I

Consistency Checking for Workflows with an Ontology-Based Data Perspective	98
<i>Gabriele Weiler, Arnd Poetzsch-Heffter, and Stephan Kiefer</i>	
Conceptual and Spatial Footprints for Complex Systems Analysis: Application to the Semantic Web	114
<i>Bénédicte Le Grand, Michel Soto, and Marie-Aude Aufaure</i>	
Automatic Extraction of Ontologies Wrapping Relational Data Sources	128
<i>Lina Lubyte and Sergio Tessaris</i>	

Temporal, Spatial, and High Dimensional Databases (Short Papers)

A Query Cache Tool for Optimizing Repeatable and Parallel OLAP Queries	143
<i>Ricardo Jorge Santos and Jorge Bernardino</i>	
Efficient Map Portrayal Using a General-Purpose Query Language (A Case Study)	153
<i>Peter Baumann, Constantin Jucovski, and Sorin Stancu-Mara</i>	
On Low Distortion Embeddings of Statistical Distance Measures into Low Dimensional Spaces	164
<i>Arnab Bhattacharya, Purushottam Kar, and Manjish Pal</i>	
Real-Time Traffic Flow Statistical Analysis Based on Network-Constrained Moving Object Trajectories	173
<i>Zhiming Ding and Guangyan Huang</i>	

Invited Talk

Data Management for Federated Biobanks	184
<i>Johann Eder, Claus Dabringer, Michaela Schicho, and Konrad Stark</i>	

Web, Semantics and Ontologies II

Peer-to-Peer Semantic Wikis	196
<i>Hala Skaf-Molli, Charbel Rahhal, and Pascal Molli</i>	
VisiNav: Visual Web Data Search and Navigation	214
<i>Andreas Harth</i>	
Diagnosing and Measuring Incompatibilities between Pairs of Services	229
<i>Ali Ait-Bachir and Marie-Christine Fauvet</i>	

Database and Information System Architecture, Performance and Security (Short Papers)

Scaling-Up and Speeding-Up Video Analytics Inside Database Engine	244
<i>Qiming Chen, Meichun Hsu, Rui Liu, and Weihong Wang</i>	
Experimental Evaluation of Processing Time for the Synchronization of XML-Based Business Objects	255
<i>Michael Ameling, Bernhard Wolf, Thomas Springer, and Alexander Schill</i>	

SimulPh.D.: A Physical Design Simulator Tool.....	263
<i>Ladjel Bellatreche, Kamel Boukhalfa, and Zaia Alimazighi</i>	
Protecting Database Centric Web Services against SQL/XPath Injection Attacks	271
<i>Nuno Laranjeiro, Marco Vieira, and Henrique Madeira</i>	
Reasoning on Weighted Delegatable Authorizations	279
<i>Chun Ruan and Vijay Varadharajan</i>	

Web, Semantics and Ontologies III

Annotating Atomic Components of Papers in Digital Libraries: The Semantic and Social Web Heading towards a Living Document Supporting eSciences	287
<i>Alexander García Castro, Leyla Jael García-Castro, Alberto Labarga, Olga Giraldo, César Montaña, Kieran O'Neil, and John A. Bateman</i>	
Web Navigation Sequences Automation in Modern Websites	302
<i>Paula Montoto, Alberto Pan, Juan Raposo, Fernando Bellas, and Javier López</i>	
Supporting Personal Semantic Annotations in P2P Semantic Wikis.....	317
<i>Diego Torres, Hala Skaf-Molli, Alicia Díaz, and Pascal Molli</i>	

XML and Databases III (Short Papers)

OrdPathX: Supporting Two Dimensions of Node Insertion in XML Data	332
<i>Jing Cai and Chung Keung Poon</i>	
XQSuggest: An Interactive XML Keyword Search System	340
<i>Jiang Li and Junhu Wang</i>	
A Prüfer Based Approach to Process Top-k Queries in XML.....	348
<i>Ling Li, Mong Li Lee, Wynne Hsu, and Han Zhen</i>	
Bottom-Up Evaluation of Twig Join Pattern Queries in XML Document Databases.....	356
<i>Yangjun Chen</i>	
Query Rewriting Rules for Versioned XML Documents	364
<i>Tetsutaro Motomura, Mizuho Iwaihara, and Masatoshi Yoshikawa</i>	
Querying XML Data with SPARQL	372
<i>Nikos Bikakis, Nektarios Gioldasis, Chrisa Tsinaraki, and Stavros Christodoulakis</i>	

Query Processing and Optimization I

Progressive Evaluation of XML Queries for Online Aggregation and Progress Indicator	382
<i>Cheng Luo, Zhewei Jiang, Wen-Chi Hou, and Gultekin Ozsoyoglu</i>	
Dynamic Query Processing for P2P Data Services in the Cloud	396
<i>Pawel Jurczyk and Li Xiong</i>	
A Novel Air Index Scheme for Twig Queries in On-Demand XML Data Broadcast	412
<i>Yongrui Qin, Weiwei Sun, Zhuoyao Zhang, Ping Yu, Zhenying He, and Weiyu Chen</i>	

Semantic Web and Ontologies IV (Short Papers)

Semantic Fields: Finding Ontology Relationships	427
<i>Ismael Navas-Delgado, Maria del Mar Roldán-García, and José F. Aldana-Montes</i>	
Complete OWL-DL Reasoning Using Relational Databases	435
<i>Maria del Mar Roldan-Garcia and Jose F. Aldana-Montes</i>	
FRESG: A Kind of Fuzzy Description Logic Reasoner	443
<i>Hailong Wang, Z.M. Ma, and Junfu Yin</i>	
Extracting Related Words from Anchor Text Clusters by Focusing on the Page Designer's Intention	451
<i>Jianquan Liu, Hanxiong Chen, Kazutaka Furuse, and Nobuo Ohbo</i>	

Invited Talk

Evolution of Query Optimization Methods: From Centralized Database Systems to Data Grid Systems	460
<i>Abdelkader Hameurlain</i>	

Query Processing and Optimization II

Reaching the Top of the Skyline: An Efficient Indexed Algorithm for Top-k Skyline Queries	471
<i>Marlene Goncalves and María-Esther Vidal</i>	
Energy Efficient and Progressive Strategy for Processing Skyline Queries on Air	486
<i>JongWoo Ha, Yoon Kwon, Jae-Ho Choi, and SangKeun Lee</i>	

RoK: Roll-Up with the K-Means Clustering Method for Recommending OLAP Queries	501
<i>Fadila Bentayeb and Cécile Favre</i>	

Query Processing and Optimization III

On Index-Free Similarity Search in Metric Spaces	516
<i>Tomáš Skopal and Benjamin Bustos</i>	
An Approximation Algorithm for Optimizing Multiple Path Tracking Queries over Sensor Data Streams	532
<i>Yao-Chung Fan and Arbee L.P. Chen</i>	

Data and Information Integration and Quality

A Versatile Record Linkage Method by Term Matching Model Using CRF	547
<i>Quang Minh Vu, Atsuhiko Takasu, and Jun Adachi</i>	
On-the-Fly Integration and Ad Hoc Querying of Life Sciences Databases Using LifeDB	561
<i>Anupam Bhattacharjee, Aminul Islam, Mohammad Shafkat Amin, Shahriyar Hossain, Shazzad Hosain, Hasan Jamil, and Leonard Lipovich</i>	
Analyses and Validation of Conditional Dependencies with Built-in Predicates	576
<i>Wenguang Chen, Wenfei Fan, and Shuai Ma</i>	

Data Mining and Knowledge Extraction (Short Papers)

Discovering Sentinel Rules for Business Intelligence	592
<i>Morten Middelfart and Torben Bach Pedersen</i>	
Discovering Trends and Relationships among Rules	603
<i>Chaohai Chen, Wynne Hsu, and Mong Li Lee</i>	
Incremental Ontology-Based Extraction and Alignment in Semi-structured Documents	611
<i>Mouhamadou Thiam, Nacéra Bennacer, Nathalie Pernelle, and Moussa Lô</i>	
Tags4Tags: Using Tagging to Consolidate Tags	619
<i>Leyla Jael Garcia-Castro, Martin Hepp, and Alexander Garcia</i>	

Data and Information Streams

Detecting Projected Outliers in High-Dimensional Data Streams	629
<i>Ji Zhang, Qigang Gao, Hai Wang, Qing Liu, and Kai Xu</i>	
Significance-Based Failure and Interference Detection in Data Streams	645
<i>Nickolas J.G. Falkner and Quan Z. Sheng</i>	
Incremental and Adaptive Clustering Stream Data over Sliding Window	660
<i>Xuan Hong Dang, Vincent C.S. Lee, Wee Keong Ng, and Kok Leong Ong</i>	

Data Mining Algorithms

Alignment of Noisy and Uniformly Scaled Time Series	675
<i>Constanze Lipowsky, Egor Dranischnikow, Herbert Götter, Thomas Gottron, Mathias Kemeter, and Elmar Schömer</i>	
Extracting Decision Correlation Rules	689
<i>Alain Casali and Christian Ernst</i>	
Maintaining the Dominant Representatives on Data Streams	704
<i>Wenlin He, Cuiping Li, and Hong Chen</i>	

Data and Information Modelling

Modeling Complex Relationships	719
<i>Mengchi Liu and Jie Hu</i>	
Intuitive Visualization-Oriented Metamodeling	727
<i>Dirk Draheim, Melanie Himsl, Daniel Jabornig, Werner Leithner, Peter Regner, and Thomas Wiesinger</i>	

Information Retrieval and Database Systems (Short Papers)

PISA: Federated Search in P2P Networks with Uncooperative Peers	735
<i>Zujie Ren, Lidan Shou, Gang Chen, Chun Chen, and Yijun Bei</i>	
Analysis of News Agencies' Descriptive Features of People and Organizations	745
<i>Shin Ishida, Qiang Ma, and Masatoshi Yoshikawa</i>	
Analyzing Document Retrievalability in Patent Retrieval Settings	753
<i>Shariq Bashir and Andreas Rauber</i>	

Classifying Web Pages by Using Knowledge Bases for Entity Retrieval	761
<i>Yusuke Kiritani, Qiang Ma, and Masatoshi Yoshikawa</i>	
Terminology Extraction from Log Files	769
<i>Hassan Saneifar, Stéphane Bonniol, Anne Laurent, Pascal Poncelet, and Mathieu Roche</i>	
Database and Information System Architecture and Performance	
Evaluating Non-In-Place Update Techniques for Flash-Based Transaction Processing Systems	777
<i>Yongkun Wang, Kazuo Goda, and Masaru Kitsuregawa</i>	
A Relational Encoding of a Conceptual Model with Multiple Temporal Dimensions	792
<i>Donatella Gubiani and Angelo Montanari</i>	
Three Approximation Algorithms for Energy-Efficient Query Dissemination in Sensor Database System	807
<i>Zhao Zhang, Xiaofeng Gao, Xuefei Zhang, Weili Wu, and Hui Xiong</i>	
Query Processing and Optimization IV (Short Papers)	
Top- <i>k</i> Answers to Fuzzy XPath Queries	822
<i>Bettina Fazzinga, Sergio Flesca, and Andrea Pugliese</i>	
Deciding Query Entailment in Fuzzy Description Logic Knowledge Bases	830
<i>Jingwei Cheng, Z.M. Ma, Fu Zhang, and Xing Wang</i>	
An Optimization Technique for Multiple Continuous Multiple Joins over Data Streams	838
<i>Changwoo Byun, Hunjoo Lee, YoungHa Ryu, and Seog Park</i>	
Top- <i>k</i> Queries with Contextual Fuzzy Preferences	847
<i>Patrick Bosc, Olivier Pivert, and Amine Mokhtari</i>	
Reranking and Classifying Search Results Exhaustively Based on Edit-and-Propagate Operations	855
<i>Takehiro Yamamoto, Satoshi Nakamura, and Katsumi Tanaka</i>	
Author Index	863