36th International Conference on Very Large Data Bases

Workshop Programs
13th and 17th Sept 2010
Grand Copthorne Waterfront Hotel
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# Program at a Glance

## Monday at a Glance

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WORKSHOP 1
8TH INTERNATIONAL WORKSHOP ON QUALITY IN DATABASES (QDB)

LOCATION: GALLERIA I

MONDAY 9:00 – 10:30

Keynote – SOLOMON: Seeking the Truth via Copying Detection
Speaker: Xin (Luna) Dong (AT & T Labs-Research, USA)

MONDAY 11:00 – 12:30

Research Session 1: Data Quality Metrics

Quality Assessment Social Networks: A Novel Approach for Assessing the Quality of Information on the Web
Tomas Knap, Irena Mlynkova

Deriving Effectiveness Measures for Data Quality Rules
Lei Jiang, Alex Borgida, Daniele Barone, John Mylopoulos

Aggregation of data quality metrics using the Choquet integral
Soumaya Ben Hassine-Guetari, Jérôme Darmont, Jean-Hugues Chauchat

MONDAY 14:00 – 15:30

Research Session 2: Data Quality Systems

Data Partitioning for Parallel Entity Matching
Toralf Kirsten, Lars Kolb, Michael Hartung, Anika Groß, Hanna Köpcke, Erhard Rahm

DuDe: The Duplicate Detection Toolkit
Uwe Draisbach, Felix Naumann

Improving Situation Awareness
Wolfgang Gottesheim, Norbert Baumgartner, Stefan Mitsch, Werner Retschitzegger, Wieland Schwinger

MONDAY 16:00 – 17:30

Research Session 3: Conditional Functional Dependencies

Extending Matching Rules with Conditions
Shaoxu Song, Lei Chen, Jeffrey Yu

Discovering Conditional Functional Dependencies to Detect Data Inconsistencies
Peter Yeh, Colin Puri
WORKSHOP 2
4TH INTERNATIONAL WORKSHOP ON MANAGEMENT OF
UNCERTAIN DATA (MUD)

Location: Galleria II

Monday 9:00 – 10:00

Keynote – From MUD to MIRE: Managing Inherent Risk in the Enterprise
Speaker: Peter Haas (IBM Almaden Research Center, USA)

Monday 10:00 – 10:30

Research Session 1: Provenance and Answer Explanation

Why so? or Why no? Functional Causality for Explaining Query Answers
Alexandra Meliou, Wolfgang Gatterbauer, Katherine Moore, Dan Suciu

Monday 11:00 – 12:30

Research Session 2: Non-relational UDBMSs

Extending Magic Sets Techniques to Deductive Databases with Uncertainty
Qiong Huang, Nematollah Shiri

Storing and Querying Probabilistic XML Using a Probabilistic Relational DBMS
Emiel Hollander, Maurice van Keulen

Time-Aware Reasoning in Uncertain Knowledge Bases
Yafang Wang, Mohamed Yahya, Martin Theobald

Monday 14:00 – 15:30

Research Session 3: Query Processing in UDBMSs

Query Containment for Databases with Uncertainty and Lineage
Foto Afrati, Angelos Vasilakopoulos

Dissociation and Propagation for Efficient Query Evaluation over Probabilistic Databases
Wolfgang Gatterbauer, Abhay K. Jha, Dan Suciu

Generalized Uncertain Databases: First Steps
Parag Agrawal, Jennifer Widom
Research Session 4: Applications of UDBMSs

**Tuple Merging in Probabilistic Databases**
Fabian Panse, Norbert Ritter

**Uncertain Databases in Collaborative Data Management**
Reinhard Pichler, Vadim Savenkov, Sebastian Skritek, Hong-Linh Truong

**Handling Uncertainty and Correlation in Decision Support**
Katrin Eisenreich, Philipp Rösch
WORKSHOP 3
1ST INTERNATIONAL WORKSHOP ON ACCELERATING DATA MANAGEMENT SYSTEMS USING MODERN PROCESSOR AND STORAGE ARCHITECTURES (ADMS)

LOCATION: GALLERIA III

MONDAY 9:00 – 10:30

Keynote – NAND Flash as a New Memory Tier
Speaker: Neil Carson (Fusion-io Inc., USA)

MONDAY 10:45 – 12:30

Research Session 1: Optimizing for Multi-core Processors
Session Chair: Christian Lang

A Nearest Neighbor Data Structure for Graphics Hardware
Lawrence Cayton (Max Planck Institute)

GPU-Based Speculative Query Processing for Database Operations
Peter Benjamin Volk (Technische Universitat Dresden), Dirk Habich (Technische Universitat Dresden), Wolfgang Lehner (Technische Universitat Dresden)

Modeling Multithreaded Query Execution on Chip Multiprocessors
Konstantinos Krikellas (Greenplum Inc.), Stratis Viglas (University of Edinburgh), Marcelo Cintra (University of Edinburgh)

On Transactional Memory, Spinlocks, and Database Transactions
Khai Tran (University of Wisconsin Madison), Spyros Blanas (University of Wisconsin Madison), Jeffrey Naughton (University of Wisconsin Madison)

MONDAY 14:00 – 15:30

Research Session 2: Optimizing for Solid-State Storage
Session Chair: Rajesh Bordawekar

Building Large Storage Based On Flash Disks
Ilia Petrov (Technische Universität Darmstadt), Guillermo Almeida (Technische Universität Darmstadt), Alejandro Buchmann (Technische Universität Darmstadt)

Buffered Bloom Filters on Solid State Storage
Mustafa Canim (The University of Texas at Dallas), George A. Mihaila (IBM Watson Research Center), Bishwaranjan Bhattacharjee (IBM Watson Research Center), Christian A. Lang (IBM Watson Research Center), Kenneth A. Ross (IBM Watson Research & Columbia University)

Towards SSD-ready Enterprise Platforms
Annie Foong (Intel), Bryan Veal (Intel), Frank Hady (Intel)
Panel: The Impact of Modern Hardware on Database Design and Implementation

**Moderator:** C. Mohan (IBM Almaden Research Center)

**Members:** Anastasia Ailamaki (EPFL/CMU), Gustavo Alonso (ETH Zurich), Sumanta Chatterjee (Oracle Corporation), Pilar de Teodoro (European Space Agency)
WORKSHOP 4
WORKSHOP ON PERSONALIZED ACCESS, PROFILE MANAGEMENT, AND CONTEXT AWARENESS IN DATABASES (PERSDB)

LOCATION: CARDINAL

MONDAY 9:00 – 10:30

Research Session 1: Personalized Information Access
Session Chair: Mohamed Mokbel

Personalization through Query Explanation and Document Adaptation
Anthony Ventresque (NTU Singapore), Sylvie Cazalens (Universite de Nantes), Thomas Cerqueus (Universite de Nantes), Philippe Lamarre (Universite de Nantes), Gabriella Pasi (Universita di Milano Bicocca)

SQL QueRIE Recommendations: A Query Fragment-based Approach
Jayad Akbarnejad (San Jose State University), Magdalini Eirinaki (San Jose State University), Suju Koshy (San Jose State University), Duc On (San Jose State University), Neoklis Polyzotis (UC Santa Cruz)

MONDAY 11:00 – 12:30

Panel: Social vs. Personal
Moderator: Tiziana Catarci (Universita di Roma La Sapienza, Italy)
Members: Magdalini Eirinaki (San Jose State University), Zoltan Gyongyi (Stanford University), Carlo Meghini (CNR), Mohamed Mokbel (University of Minnesota)

MONDAY 14:00 – 15:30

Research Session 2: Personalization and the Semantic Web
Session Chair: Carlo Meghini

Re-ranking Web Service Search Results Under Diverse User Preferences
Dimitrios Skoutas (L3S Research Center), Mohammad Alrifai (L3S Research Center), Wolfgang Nejdl (L3S Research Center)

Adapting Generic Web Structures with Semantic Web Technologies: A Cognitive Approach
Mario Belk (University of Cyprus), Panagiotis Germanakos (University of Cyprus), Nikos Tsianos (University of Athens), Zacharias Lekkas (University of Athens), Costas Mourlas (University of Athens), George Samaras (University of Cyprus)
Research Session 3: Evaluation Methodologies and Metrics
Session Chair: Magdalini Eirinaki

A Benchmark for Context Data Management in Mobile Context-aware Applications
Nadine Froehlich (University Basel), Thorsten Moeller (University Basel), Steven Rose (University Basel), Heiko Schuldt (University Basel)

Combining Preference Relations: Completeness and Consistency
Nicolas Spyrratos (University of Paris South), Carlo Meghini (CNR)
PHD WORKSHOP 5
PH.D. WORKSHOP

LOCATION: FALCON

MONDAY 9:00 – 10:30

Session 1: Performance

UpStream: Storage-centric Load Management for Data Stream Processing Systems
Alexandru Moga (ETH Zurich, Switzerland)

Jumbo: Beyond MapReduce for Workload Balancing
Sven Groot (The University of Tokyo, Japan)

A Distributed Event Stream Processing Framework for Materialized Views over Heterogeneous Data Sources
Mahesh Chaudhari (Arizona State University, USA)

Flying Yellow Elephant: Predictable and Efficient MapReduce in the Cloud
Jörg Schad (Saarland University, Germany)

MONDAY 11:00 – 12:40

Session 2: Quality and Semantics

Guided Data Quality Improvement Through Direct/Indirect Interactions
Mohamed Yakout (Purdue University, USA)

Data Quality Aware Query Systems
Naiem Yeganeh (The University of Queensland, Australia)

Search As You Type in Forms: Leveraging the Usability and the Functionality of Search Paradigm in Relational Databases
Hao Wu (Tsinghua University, China)

String-Based Semantic Web Data Management Using Ternary B-Trees
Jürg Senn (University of Basel, Switzerland)

Bridging Semantic Gaps in Information Retrieval: Context-Based Approaches
Cam-Tu Nguyen (Tohoku University, Japan)

MONDAY 14:00 – 15:40

Session 3: Architectures, Security, Queries

Secure Data Outsourcing Based on Threshold Secret Sharing: Towards a More Practical Solution
Mohammad Ali Hadavi (Sharif University of Technology, Iran)

Declarative Secure Distributed Systems
Wenchao Zhou (University of Pennsylvania, USA)
Traceable Peer-to-Peer Record Exchange
Fengrong Li (Nagoya University, Japan)

Spatiotemporal Pattern Queries
Mahmoud Sakr (FernUniversität in Hagen, Germany)

The Mimicking Octopus: Towards a One-Size-Fits-All Database Architecture
Alekh Jindal (Saarland University, Germany)

MONDAY 16:00 – 17:20

Session 4: Mining and Merging

Mining Subspace Clusters: Enhanced Models, Efficient Algorithms and an Objective Evaluation Study
Emmanuel Müller (RWTH Aachen University, Germany)

Research on Microarray Dataset Mining
Miao Wang (Northwestern Polytechnical University, Northwestern, China)

Harnessing Data Management Technology for Web Mashups Development
Ohad Greenshpan (Tel-Aviv University, Israel)

Towards A Unified Framework for Schema Merging
Xiang Li (RWTH Aachen University, Germany)
WORKSHOP 6
7th INTERNATIONAL WORKSHOP ON DATA MANAGEMENT SYSTEMS FOR SENSOR NETWORKS (DMSN)

LOCATION: SWALLOW

MONDAY 9:00 – 10:30

Keynote – What’s NExT? Sensor + Cloud!?
Speaker: Kian-Lee Tan (National University of Singapore, Singapore)

MONDAY 11:00 – 12:30

Research Session 1: Data Provenance and Query Processing
Session Chair: Yanlei Diao

Provenance-based Trustworthiness Assessment in Sensor Networks
Hyo-Sang Lim (Purdue University, USA), Yang-Sae Moon (Kangwon National University, South Korea), Elisa Bertino (Purdue University, USA)

Facilitating Fine Grained Data Provenance using Temporal Data Model
Mohammad R. Huq (University of Twente, Netherlands), Andreas Wombacher (University of Twente, Netherlands), Peter M. G. Apers (University of Twente, Netherlands)

Processing Strategies for Nested Complex Sequence Pattern Queries over Event Streams
Mo Liu (Worcester Polytechnic Institute, USA), Medhabi Ray (Worcester Polytechnic Institute, USA), Elke A. Rundensteiner (Worcester Polytechnic Institute, USA), Daniel J. Dougherty (Worcester Polytechnic Institute, USA), Chetan Gupta (HP Labs, USA), Song Wang (HP Labs, USA), Ismail Ari (Ozyegin University, Turkey), Abhay Mehta (HP Labs, USA)

MONDAY 14:00 – 15:30

Research Session 2: Mobile Sensor Networks and Outlier Detection
Session Chair: Xueyan Tang

Query Driven Data Collection and Data Forwarding in Intermittently Connected Mobile Sensor Networks
Wei Wu and Kian-Lee Tan (NUS, Singapore)

DEMS: A Data Mining Based Technique to Handle Missing Data in Mobile Sensor Network Applications
Le Gruenwald, Md. Shiblee Sadik, Rahul Shukla and Hanqing Yang (University of Oklahoma, USA)

Nikos Giatrakos (University of Piraeus, Greece), Yannis Kotidis (AUEB, Greece), Antonios Deligiannakis (Technical University of Crete, Greece)
Panel: Future Directions in Sensor Data Management

**Moderator:** Demetris Zeinalipour (University of Cyprus, Cyprus)

**Members:** Yanlei Diao (University of Massachusetts - Amherst, USA), Le Gruenwald (National Science Foundation, USA), Christian S. Jensen (Aarhus University, Denmark), Kian-Lee Tan (National University of Singapore, Singapore)
WORKSHOP 7
WORKSHOP ON ENABLING REAL-TIME BUSINESS INTELLIGENCE (BIRTE)

LOCATION: LYREBIRD

MONDAY 9:00 – 10:30

Keynote 1 – Temporal Knowledge for Timely Intelligence
Speaker: Gerhard Weikum (Max Planck Institute for Informatics, Germany)

MONDAY 11:00 – 12:30

Research Session 1

Augmenting Tables by Self-Supervised Web Search
Alexander Loeser (University of Technology Berlin), Christoph Nagel (University of Technology Berlin), Stephan Pieper (University of Technology Berlin)

Data Quality is Context Dependent
Leo Bertossi (Carleton University), Flavio Rizzolo (Carleton University), Lei Jiang (University of Toronto)

Handling of Uncertainty and Temporal Indeterminacy for What-if Analysis
Katrin Eisenreich (SAP Research), Volker Markl (University of Technology Berlin), Philipp Rosch (SAP AG)

MONDAY 14:00 – 15:40

Keynote 2 – HyPer: A Hybrid OLTP & OLAP High Performance Main Memory Database System Based on Virtual Memory Snapshots
Speaker: Alfons Kemper and Thomas Neumann (Technical University of Munich)

Building Enterprise Class Real-Time Energy Efficient Decision Support Systems
Meikel Poess (Oracle), Ragunath Nambiar (CISCO)

MONDAY 16:00 – 18:00

Keynote 3 – TBA
Speaker: Julio Navas (SAP)

Nested Complex Event Processing for Real-Time Event Analytics
Mo Liu (Worcester Polytechnic Institute), Elke Rundensteiner (Worcester Polytechnic Institute), Dan Dougherty (Worcester Polytechnic Institute)

An Efficient Heuristic for Logical Optimization of ETL Workflows
Nitin Kumar (IIT Madras), P Sreenivasa Kumar (IIT Madras)
TPC TECHNOLOGY CONFERENCE ON PERFORMANCE EVALUATION AND BENCHMARKING (TPCTC)

LOCATION: CARDINAL

FRIDAY 9:00 – 9:30

Raghunath Nambiar (Cisco Systems, Inc., USA), Nicholas Wakou (Dell, Inc., USA), Forrest Carman (Owen Media, USA), Michael Majdalany (LoBue & Majdalany Magt Group, USA)

FRIDAY 9:30 – 10:40

Session 1:

Liquid Benchmarks: Towards An Online Platform for Collaborative Assessment of Scientific Research Results
Sherif Sakr (University of New South Wales, Australia), Fabio Casati (University of Trento, Italy)

A Discussion on the Design of Graph Database Benchmarks
D. Dominguez-Sal, N. Martinez-Bazan, V. Muntes-Mulero, Pere Baleta, J. L. Larriba-Pey (DAMA-UPC, Spain)

A Data Generator for Cloud-Scale Benchmarking
Tilmann Rabl, Michael Frank, Hatem Mousselly Sergieh, Harald Kosch (University of Passau, Germany)

How to Advance TPC Benchmarks with Dependability Aspects
Raquel Almeida (University of Coimbra, Portugal), Meikel Poess (Oracle Corporation, USA), Raghunath Nambiar (Cisco Systems, Inc., USA), Indira Patil (Hewlett-Packard Company, USA), Marco Vieira (University of Coimbra, Portugal)

FRIDAY 11:00 – 12:30

Invited Talk: Price and the TPC
Speaker: Karl Huppler (IBM, USA)

Keynote: Implications of Storage Class Memories (SCMs) on Software Architecture
Speaker: C. Mohan (IBM Almaden Research Center, USA)
Session 2:

EXRT: Towards a Simple Benchmark for XML Readiness Testing
Michael J. Carey (University of California-Irvine, USA), Ling Ling (University of California-Irvine, USA), Matthias Nicola (IBM Silicon Valley Lab, USA), Lin Shao (University of California-Irvine, USA)

Transaction Performance vs. Moore’s Law: A Trend Analysis
Meikel Poess (Oracle Corporation, USA), Raghunath Nambiar (Cisco Systems, Inc., USA)

TPC-V: Genesis of a New Benchmark for Evaluating the Performance of Database Applications in Virtual Environments
Priya Sethuraman (VMware, Inc., USA), H. Reza Taheri (VMware, Inc., USA)

First TPC-Energy Benchmark: Lessons Learned in Practice
Erik Young (Hewlett-Packard Company, USA), Paul Cao (Hewlett-Packard Company, USA), Mike Nikolaiev (Hewlett-Packard Company, USA)

Using Solid State Drives As a Mid-Tier Cache In Enterprise OLTP Applications
Badriddine M. Khessib (Microsoft Corporation, USA), Kushagra Vaid, Srinam Sankar (Microsoft Corporation, USA), Chengliang Zhang (Microsoft Corporation, USA)

Session 3:

A Benchmark for Adaptive Indexing
Goetz Graefe (Hewlett-Packard Labs, USA), Stratos Idreos (CWI Amsterdam, The Netherlands), Harumi Kuno (Hewlett-Packard Labs, USA), Stefan Manegold (CWI Amsterdam, The Netherlands)

XWeB: the XML Warehouse Benchmark
Hadj Mahboubi (CEMAGREF Clermont-Ferrand, France), Jerome Darmont (CEMAGREF Clermont-Ferrand, France)

Benchmarking Using Basic DBMS Operations
Alain Crolotte (Teradata Corporation, USA), Ahmad Ghazal (Teradata Corporation, USA)

Assessing and Optimizing Microarchitectural Performance of Event Processing Systems
Marcelo R.N. Mendes (University of Coimbra, Portugal), Pedro Bizarro (University of Coimbra, Portugal), Paulo Marques (University of Coimbra, Portugal)
WORKSHOP 9
7ST INTERNATIONAL XML DATABASE SYMPOSIUM (XSYM)

LOCATION: FALCON

FRIDAY 9:00 – 10:30

Keynote – Distributed XML Query Processing
Session Chair: Jeffrey Xu Yu
Speaker: Tamer Ozsu (University of Waterloo, Canada)

FRIDAY 11:00 – 12:30

Research Session 1: XML Query Processing
Session Chair: Toshiyuki Amagasa

Approximate Joins for XML Using g-String
Fei Li (Harbin Institute of Technology, China), Hongzhi Wang (Harbin Institute of Technology, China), Cheng Zhang (Harbin Institute of Technology, China), Liang Hao (Harbin Institute of Technology, China), Jianzhong Li (Harbin Institute of Technology, China), Hong Gao (Harbin Institute of Technology, China)

Linear F&B-index Construction for Trees
Nils Grimsmo (Norwegian University of Science and Technology, Norway), Truls Amundsen Bjorklund (Norwegian University of Science and Technology, Norway), Magnus Lie Hetland (Norwegian University of Science and Technology, Norway)

Extending the Tractability Results on XPath Satisfiability with Sibling Axes
Yasunori Ishihara (Osaka University, Japan), Shogo Shimizu (Advanced Institute of Industrial Technology, Japan), Toru Fujiwara (Osaka University, Japan)

Extending XQuery With A Pattern Matching Facility
Peter Fischer (ETH Zurich, Switzerland), Aayush Garg (ETH Zurich, Switzerland), Kyumars Sheykh Esmaili (ETH Zurich, Switzerland)

FRIDAY 14:00 – 15:30

Research Session 2: XML Update and Applications
Session Chair: Flavio Ferrarotti

A Schema-Based Translation of XQuery Updates
Leonidas Fegaras (University of Texas at Arlington, USA)

EBSL: Supporting Deleted Node Label Reuse in XML
Martin F. O’Connor (Dublin City University, Ireland), Mark Roantree (Dublin City University, Ireland)

Lessons Learned from DB2 pureXML Applications: A Practitioner’s Perspective
Matthias Nicola (IBM Silicon Valley Lab, USA)

Searchable Compression of Office Documents by XML Schema Subtraction
Stefan Bvtchter (University of Paderborn, Germany), Rita Hartel (University of Paderborn, Germany), Christian Messinger (University of Paderborn, Germany)
Research Session 3: XML Modeling
Session Chair: Mong Li Lee

Fast Detection of Functional Dependencies in XML Data
Hang Shi (University of Tsukuba, Japan), Toshiyuki Amagasa (University of Tsukuba, Japan), Hiroyuki Kitagawa (University of Tsukuba, Japan)

TP+Output: modeling complex output information in XML twig pattern query
Huayu Wu (National University of Singapore, Singapore), Tok Wang Ling (National University of Singapore, Singapore), Gillian Dobbie (University of Auckland, New Zealand)

Promoting the Semantic Capability of XML Keys
Flavio Ferrarotti (Victoria University of Wellington, New Zealand), Sven Hartmann (Clausthal University of Technology, Germany), Sebastian Link (Victoria University of Wellington, New Zealand), Jing Wang (Massey University, New Zealand)
WORKSHOP 10
7ST VLDB WORKSHOP ON SECURE DATA MANAGEMENT (SDM)

LOCATION: SWALLOW

FRIDAY 9:00 – 10:00

Keynote – Assuring Data Trustworthiness – Concepts and Research Challenges
Speaker: Elisa Bertino (Purdue University, USA)

FRIDAY 10:00 – 10:30

Session 1:
Joining Privately on Outsourced Data
Bogdan Carbunar and Radu Sion

FRIDAY 11:00 – 12:30

Session 2: Security in Healthcare

Privacy Preserving Event Driven Integration for Interoperating Social and Health Systems
Giampaolo Armellin, Dario Betti, Fabio Casati, Annamaria Chiasera, Gloria Martinez, and Jovan Stevovic

Towards the Secure Modelling of OLAP Users’ Behaviour
Carlos Blanco, Eduardo Fernandez-Medina, Juan Trujillo, and Jan Jurjens

Computationally Efficient Searchable Symmetric Encryption
Peter van Liesdonk, Saeed Sedghi, Jeroen Doumen, Pieter Hartel, and Willem Jonker

FRIDAY 14:00 – 15:30

Session 3:

On-the-Fly Hierarchies for Numerical Attributes in Data Anonymization
Alina Campan and Nicholas Cooper

eM2: An Efficient Member Migration Algorithm for Ensuring k-Anonymity and Mitigating Information Loss
Phuong Huynh Van Quoc and Tran Khanh Dang

Constrained Anonymization of Production Data: A Constraint Satisfaction Problem Approach
Ran Yahalom, Erez Shmueli, and Tomer Zrihen

FRIDAY 16:00 – 17:30
Session 4:

A Formal P3P Semantics for Composite Services  
Assadarat Khurat, Dieter Gollmann, and Joerg Abendroth

A Geometric Approach for Efficient Licenses Validation in DRM  
Amit Sachan, Sabu Emmanuel, and Mohan S. Kankanhalli

Differentially Private Data Release through Multidimensional Partitioning  
Yonghui Xiao, Li Xiong, and Chun Yuan
Welcome and Presentation of SemData Initiative  
Reto Krummenacher, Atanas Kiryakov, Karl Aberer and Rajaraman Kanagasabai

Research Session 1:  
SPARQL Query Answering on a Shared-Nothing Architecture  
Spyros Kotoulas and Jacopo Urbani  
Optimizing SPARQL queries over the Web of Linked Data  
Kuldeep B.R Reddy and Sreenivasa P. Kumar

Industry Session:  
Directions and Challenges for Semdata  
Orri Erling (OpenLink Software/Virtuoso)  
The Features of BigOWLIM that Enabled the BBC's World Cup Website  
Atanas Kiryakov, Barry Bishoa, Damyan Ognyanoff, Ivan Peikov, Zdravko Tashev, Ruslan Velkov (Ontotext/OWLIM).  
New Developments in AllegroGraph  
Jans Aasman (Franz Inc/AllegroGraph)

Research Session 2:  
SpiderStore: Exploiting Main Memory for Efficient RDF Graph Representation and Fast Querying  
Robert Binna, Wolfgang Gassler, Eva Zangerle, Dominic Pacher and Günther Specht  
Structure Index for RDF Data  
Thanh Tran and Günter Ladwig.

Q&A and Panel
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