

Session 1 Opening Session

Date: 2009-09-16 Time: 09:00 - 09:10

Chair: Dr. Bipin C. Desai

Welcome: Dr. Domenico Saccà

Session 2 Invited Talk

Date: 2009-09-16 Time: 09:10 - 10:10

Chair: Dr. Domenico Saccà

TBA

Session 3 Information Retrieval

Date: 2009-09-16 Time: 10:10 - 11:10

Chair: Dr. Jorge Bernardino

Full Paper: **Efficient Keyword Proximity Search using A Frontier-Reduce Strategy based on d-Distance Graph Index**, *Ming Zhong, Mengchi Liu*

Full Paper: **XKMis: Effective and Efficient Keyword Search on XML Databases** *Jiang Li, Junhu Wang, Maolin Huang*

Session 4 Semantic Web and Grids

Date: 2009-09-16 Time: 11:30 - 12:30

Chair: Dr. Sergio Grecco

Full Paper: **Finding reliable users and social networks in a social internet networking system**

Pasquale De Meo, Antonino Nocera, Giovanni Quattrone, Domenico Ursino

Short Paper: **RDFKB: Efficient Support For RDF Inference Queries and Knowledge Management**

James McGlothlin, Latifur R Khan

Short Paper: **Semantic caching for pervasive grids** *Laurent d'Orazio, Mamadou Kaba Traoré*

Session 5 Streaming and Sensor Data

Date: 2009-09-16 Time: 12:35 - 13:15

Chair: Dr. Alfredo Cuzzocrea

Full Paper: **NexusDS: A Flexible and Extensible Middleware for Distributed Stream Processing**

Cipriani Nazario, Mike Eissele, Andreas Brodt, Matthias Grossmann, Bernhard Mitschang

Short Paper: **An Online Spatio-Temporal Association Rule Mining Framework for Analyzing and Estimating Sensor Data** *Hamed Chok, Le Gruenwald*

Session 6 Data Warehousing and Spatial Data

Date: 2009-09-16 Time: 14:45 - 15:55

Chair: Dr. Sergio Flesca

Full Paper: **Incremental Aggregation of RFID Data** *Roberto De Virgilio, Riccardo Torlone, Pierpaolo Sugamiele*

Short Paper: **Optimizing Data Warehouse Loading Procedures for Enabling Useful-Time Data Warehousing** *Jorge Bernardino, Ricardo Santos*

Short Paper: **Efficient and Effective RFID Data Warehousing** *Bettina Fazzinga, Sergio Flesca, Filippo Furfaro, Elio Masciari*

Short Paper: **Formal and Conceptual Modeling of Spatio-Temporal Granularities** *Alberto Belussi, Carlo Combi, Gabriele Pozzani*

Session 7 Poster Session

Date: 2009-09-16 Time: 16:30 - 17:30

Chair: Dr. Carson K. Leung

Algebraic Foundation of a Data Model for an Extensible Space-Based Collaboration Protocol

Stefan Craß, Eva Kühn, Gernot Salzer

Using the Automatic Attaching Function of the Cellular Data System *Toshio Kodama,*

Tosiyasu Kunii, Seki Yoichi

Uniform Query Processing in a Federation of RDFS and Relational Resources *Graham Kemp,*

Merja Karjalainen

Semantic Reconciliation in Peer Multi-Data source Management System *Gilles Nachouki,*

Mirna Nachouki, Marie-pierre Chastang

Mining Product Intention Rules from Transaction Logs of an Ecommerce Portal *Ravi*

Chandra Jammalamadaka, Naren Chittar, Sanjay Ghatare

Evaluation of Skyline Algorithms in PostgreSQL *Fang Wei, Hannes Eder*

Non-functional Properties to Service Coordination Using Contracts *Javier Alfonso Espinosa-Oviedo,*

Genoveva Vargas-Solar, José-Luis Zechinelli-Martini, Christine Collet

Low-voltage Electricity Customer Profiling based on Load Data Clustering *Francesco Gullo,*

Giovanni Ponti, Andrea Tagarelli, Salvatore Iiritano, Massimiliano Ruffolo, Diego Labate

Session 8 Invited Talk II

Date: 2009-09-17 Time: 09:00 - 10:00

Chair: Dr. Domenico Saccà

TBA

Session 9 Transactions Management

Date: 2009-09-17 Time: 10:00 - 11:00

Chair: Dr. Z. Meral Ozsoyoğlu

Full Paper: **Concurrent Updating Transactions on Versioned Data** *Tuukka Haapasalo,*

Ibrahim Jaluta, Seppo Sippu, Eljas Soisalon-Soininen

Full Paper: **Semantics of a Runtime Adaptable Transaction Manager** *Florian Irmert,*

Frank Lauterwald, Christoph P. Neumann, Michael Daum, Richard Lenz, Klaus Meyer-Wegener

Session 10 Data Mining I

Date: 2009-09-17 Time: 11:20 - 12:50

Chair: Dr. Richard McClatchey

Full Paper: **Mining Uncertain Data for Constrained Frequent Sets** *Carson K. Leung, Dale*

A. Brajczuk

Full Paper: **Mining frequent conjunctive queries in star schemas** *Dominique Laurent, Tao-Yuan JEN,*

Nicolas Spyrtos

Full Paper: **Depth First Algorithms and Inferencing for AFD mining** *Jeremy Engle,*

Edward Robertson

Short Paper: **Mining Very Long Sequences in Large Databases with PLWAPLong** *Christie Ezeife,*

Kashif Saeed, Dan Zhang

Session 11 Data Integration

Date: 2009-09-17 Time: 14:30 - 15:20

Chair: Dr.Sergio Grecko

Full Paper: **Managing the Mappings between Domain Ontologies and Database Schemas when Formulating Relational Queries** *Kamran Munir, Mohammed Odeh, Richard McClatchey*

Short Paper: **Information Integration with Uncertainty** *Fereidoon Sadri, Ala Eshmawi*

Short Paper: **Maintaining Integrated XML Schema** *Kalpdrum Passi, Don Morgan*

Short Paper: **A Model for Matching and Integrating Heterogeneous Relational Biomedical Databases Schemas** *Yaser Karasneh, Hamidah Ibrahim*

Session 12 Data Mining II

Date: 2009-09-18 Time: 09:00 - 10:40

Chair: Dr. Kalpdrum Passi

Full Paper: **A Cluster-Based Approach to XML Similarity Joins** *Leonardo Ribeiro, Theo Härder, Fernanda Pimenta*

Full Paper: **Near-Duplicate Detection for Web-Forums** *Klemens Muthmann, Wojciech Barczynski, Alexander Löser, Falk Brauer*

Full Paper: **Discovering Expressive Process Models from Noised Log Data** *Luigi Pontieri, Antonella Guzzo, Gianluigi Greco, Francesco Folino*

Full Paper: **A Logical Framework for Detecting Anomalies in Drug Resistance Algorithms** *Luciano Caroprese, Breannán Ó Nualláin, P.M.A. (Peter) Sloot, Ester Zumpano*

Session 13 Query Languages and Optimization

Date: 2009-09-18 Time: 11:10 - 12:25

Chair: Dr. Dominique Laurent

Full Paper: **A Complete Translation from SPARQL into Efficient SQL** *En Cheng, Z. Meral Ozsoyoglu*

Full Paper: **A Magic Approach to Optimizing Incremental Relational Expressions** *Andreas Behrend*

Full Paper: **Efficient Discovery of Join Plans in Schemaless Data** *Aybar C. Acar, Amihai Motro*

Session 14 Analytics and Optimization

Date: 2009-09-18 Time: 12:25 - 13:15

Chair: Dr.Bipin C. DESAI

Full Paper: **Speeding-up Data-driven Applications with Program Summaries** *Sonia Guehis, Virginie Goasdoué-Thion, Philippe Rigaux*

Full Paper: **Efficiently Support Map-Reduce alike Computation Models Inside Parallel DBMS** *Qiming Chen, Andy Therber, Meichun Hsu, Hans Zeller, Bin Zhang, Ren Wu*