

13th Italian Symposium on Advanced Database Systems (SEBD 2005)

19–22 June 2005
Free University of Bozen-Bolzano building
Bahnhofstraße – viale Stazione 6
Brixen-Bressanone (Bozen-Bolzano)

Program Committee

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Maurizio Lenzerini Univ. di Roma “La Sapienza”

PC Chair

Letizia Tanca Politecnico di Milano

Local Organisation

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Diego Calvanese Free University of Bozen-Bolzano

Andrea Cali Free University of Bozen-Bolzano

Sponsors

Faculty of Computer Science, Free Univ. of Bozen-Bolzano
ICAR - CNR, Istituto di Calcolo e Reti ad Alte Prestazioni

Final Programme

Sunday, 19 June

- 10:00 – 13:00 **Tutorial** (Chair: Enrico Franconi)
Biological Data Management
Luigi Palopoli
- 14:30 – 16:30 **Tutorial** (Chair: Diego Calvanese)
From Semantic Data Models to the Semantic Web
Alex Borgida, John Mylopoulos
- 19:00 – ? Welcome reception at “Traubenwirt”, Portici Minori 9
Tel. +39 0472 836 552
<http://www.traubenwirt.it>

Monday, 20 June

- 08:50 – 09:00 **Opening Ceremony** (co-Chairs: Maurizio Lenzerini, Letizia Tanca, Enrico Franconi)
- 09:00 – 10:00 **Invited Talk** (Chair: Fabio Schreiber):
The Next Step in Data Management: Probabilistic Data
Dan Suciu

Web Information Systems (Chair: Maurizio Panti)

- 10:00 – 10:15 *Automatic Composition of Web Services in Colombo*
Daniela Berardi, Diego Calvanese, Giuseppe De Giacomo,
Richard Hull, Massimo Mecella
- 10:15 – 10:30 *Exception Handling in Workflow-Driven Web Applications*
Marco Brambilla, Stefano Ceri, Sara Comai, Christina Tziviskou
- 10:30 – 10:50 *Translation of Web Data with Chameleon*
Paolo Papotti, Riccardo Torlone
- 10:50 – 11:10 *A System for a Flexible Adaptation of Data Intensive Web Sites*
Roberto De Virgilio, Riccardo Torlone
- 11:10 – 11:40 Coffee Break

Knowledge Discovery, Data Mining and Information Retrieval I

(Chair: Domenico Saccà)

- 11:40 – 12:00 *Propositionalization Through Relational Association Rules Mining*
Michelangelo Ceci, Annalisa Appice, Donato Malerba
- 12:00 – 12:15 *Semantic-Based Resource Retrieval Using Non-Standard Inference Services in Description Logics*
Simona Colucci, Stefano Coppi, Tommaso Di Noia, Eugenio Di Sciascio,
Francesco M. Donini, Agnese Pinto, Azzurra Ragone
- 12:15 – 12:30 *Index Support for Mining Data Streams in a Relational DBMS*
Elena Baralis, Tania Cerquitelli, Silvia Chiusano, Diego Mostile
- 12:30 – 12:45 *Efficiently and Accurately Comparing Real-valued Data Streams*
Paolo Capitani, Paolo Ciaccia
- 12:45 – 13:05 *Relational Clustering with Discrete Spatial Structure*
Antonio Varlaro, Annalisa Appice, Antonietta Lanza,
Donato Malerba, Giuseppe Guarnieri
- 13:05 – 14:30 Lunch

Schema Mapping and Transformation (Chair: Andrea Cali)

- 14:30 – 14:45 *Model Independent Schema and Data Translation*
Paolo Atzeni, Paolo Cappellari, Philip A. Bernstein
- 14:45 – 15:00 *Detecting Corrupted Schema Mappings in XML P2P Databases*
Dario Colazzo, Carlo Sartiani
- 15:00 – 15:15 *An Algorithm for Generating XML Schemas from ER Schemas*
Paolo Pigozzo, Elisa Quintarelli
- 15:15 – 15:30 *Combining Pattern Analysis and Data Fusion Techniques for Music Accessing*
Giovanna Neve, Nicola Orio
- 15:30 – 16:00 Coffee Break

Information Integration I (Chair: Diego Calvanese)

- 16:00 – 16:15 *Magic Sets and their Application to Data Integration*
Wolfgang Faber, Gianluigi Greco, Nicola Leone
- 16:15 – 16:35 *Boosting Information Integration: The INFOMIX System*
Nicola Leone et al.
- 16:35 – 16:50 *A Logic Based Approach to P2P Databases*
Luciano Caroprese, Sergio Greco, Cristina Sirangelo, Ester Zumpano
- 16:50 – 17:05 *A Multi-Agent System for Querying Heterogeneous Data Sources with Ontologies*
Paolo Dongilli, Pablo Fillottrani, Enrico Franconi, Sergio Tessaris
- 21:30 – ? Guided tour of Bressanone
Appointment at conference venue

Tuesday, 21 June

- 09:00 – 10:00 **Invited Talk** (Chair: Maurizio Lenzerini)
Towards a Unified Framework for the Study of Web Services Composition
Richard Hull

Knowledge Discovery, Data Mining and Information Retrieval II (Chair: Donato Malerba)

- 10:00 – 10:20 *KDDML: a Middleware Language and System for Knowledge Discovery in Databases*
Andrea Romei, Salvatore Ruggieri, Franco Turini
- 10:20 – 10:40 *RecBoost: A Supervised Approach to Automatic Text Segmentation*
Eugenio Cesario, Francesco Folino, Antonio Locane, Giuseppe Manco, Riccardo Ortale
- 10:40 – 11:00 *Mining Correlations in Workflow Executions*
Gianluigi Greco, Antonella Guzzo, Giuseppe Manco, Domenico Saccà
- 11:00 – 11:15 *Evoluzione dell'Approccio MKL al Relevance Feedback per l'Apprendimento a Lungo Termine*
Annalisa Franco, Alessandra Lumini
- 11:15 – 11:45 Coffee Break

Information Integration II (Chair: Luigi Palopoli)

- 11:45 – 12:05 *Semantic Service Publication and Retrieval in the MAIS Project*
Devis Bianchini, Valeria De Antonellis, Barbara Pernici, Pierluigi Plebani
- 12:05 – 12:25 *TP-Tree: a Query Workload-Adaptive Synopsis for Fast OLAP Applications*
Alfredo Cuzzocrea, Wei Wang
- 12:25 – 12:40 *Harvesting Structurally Similar Pages*
Lorenzo Blanco, Valter Crescenzi, Paolo Merialdo
- 12:40 – 12:55 *Agent-Based Supply-Chain Management*
Maurizio Panti, Francesco Pagliarecci, Luca Spalazzi
- 12:55 – 14:30 Lunch

Semistructured Data Management I (Chair: Maristella Agosti)

- 14:30 – 14:45 *XML Data Integration with Identification*
Antonella Poggi, Serge Abiteboul
- 14:45 – 15:00 *Personalized Access to Multi-Version XML Documents
in an eGovernment Scenario*
Fabio Grandi, Federica Mandreoli, Riccardo Martoglia, Enrico Ronchetti,
Maria Rita Scalas, Paolo Tiberio
- 15:00 – 15:15 *Types for Path Correctness of XML Queries*
Dario Colazzo, Giorgio Ghelli, Paolo Manghi, Carlo Sartiani
- 15:15 – 15:35 *Wrapping PDF Documents: A Preliminary Study*
Sergio Flesca, Salvatore Garruzzo, Elio Masciari, Andrea Tagarelli
- 15:35 – 15:50 *XQBE: the Swiss Army Knife for Semi-structured Data*
Daniele Braga, Alessandro Campi, Davide Martinenghi, Alessandro Raffio,
Damiano Salvi
- 15:50 – 16:20 Coffee Break

Query Answering and Optimisation (Chair: Fausto Rabitti)

- 16:20 – 16:35 *Data Cleansing for Numerical Data Sets*
Leopoldo Bertossi, Loreto Bravo, Enrico Franconi, Andrei Lopatenko
- 16:35 – 16:50 *Experimenting Efficient Query Answering over Inconsistent Databases*
Luca Grieco, Domenico Lembo, Riccardo Rosati, Marco Ruzzi
- 16:50 – 17:05 *Optimal Incremental Evaluation of Preference Queries Based on Ranked Sub-queries*
Ilaria Bartolini, Paolo Ciaccia
- 17:05 – 17:20 *Query Expansion for Genomic Digital Libraries*
Michela Bacchin
- 20:00 – ? Social dinner at Restaurant “Elephant”, via Rio Bianco 4
Tel. +39 0472 832 750
<http://www.hotelelephant.com>

Wednesday, 22 June

09:00 – 10:00 **Invited Talk** (Chair: Letizia Tanca)
To Give or not to Give: Just How Safe is Your Data?
Laks Lakshmanan

Semistructured Data Management II (Chair: Giorgio Ghelli)

10:00 – 10:20 *Un Algoritmo per la Rimozione delle Ridondanze in un Grafo RDF*
Luigi Iannone, Ignazio Palmisano, Domenico Redavid, Giovanni Semeraro

10:20 – 10:40 *Utilizzo delle Proprieta' Interschema per il Clustering di Schemi XML Semanticamente Eterogenei*
Pasquale De Meo, Giovanni Quattrone, Giorgio Terracina, Domenico Ursino

10:40 – 11:00 *A Locking Based Scheduler for XML Databases*
Peter Pleshachkov, Petr Chardin, Sergei Kuznetsov

11:00 – 11:15 *Correctness of Query Results in XML P2P Databases*
Carlo Sartiani

11:15 – 11:45 Coffee Break

Data Models (Chair: Paolo Ciaccia)

11:45 – 12:05 *Granular GeoGraph: a Multi-Granular Conceptual Model for Spatial Data*
Iginia De Fent, Donatella Gubiani, Angelo Montanari

12:05 – 12:25 *Modeling the Evolution of Objects in Temporal Information Systems*
Alessandro Artale, Christine Parent, Stefano Spaccapietra

12:25 – 12:40 *Biographical Logics for XML*
Giovanni Conforti, Damiano Macedonio, Vladimiro Sassone

12:40 – 13:00 *PoliQual: Assessment and Improvement of Data Quality*
Cinzia Cappiello, Chiara Francalanci, Francesco Martini, Barbara Pernici

13:00 – 13:10 Closing Ceremony (Chair: Letizia Tanca)

13:10 – 14:30 Lunch

SEBD 2005 Social Programme

Welcome Reception Sunday 19th June at 19:00, Traubenwirt, Portici Minori 9, tel. (+39)-0472-836552 <http://www.traubenwirt.it>. This is the meeting point in Brixen-Bressanone for who likes to eat good food, chat or party. The location under the patios offers a unique atmosphere of the “traubenwirt”, with its ancient frescos, columns and arch ceilings.

Guided Tour Monday 20th June at 21:30, appointment at the Conference Venue.

Social Dinner Tuesday 21st June at 20:00, Restaurant of Hotel Elephant, via Rio Bianco 4, tel. (+39)-0472-832750, <http://www.hotelelephant.com>. In this Restaurant you can really breathe the tradition. The rooms covered with wood create an intimate and comfortable atmosphere. In the *Altdeutsche Stube* (ancient German *stube*), in the *Apostelstube* (*stube* of the Apostles), and in the *Zirbelstube* (*stube* of the Cimbers), tradition and attention to the guests' wellness dwell.



- A Conference Venue
- B Social Dinner
- C Welcome Reception

Other Events in Brixen-Bressanone

Stephan Kessler, temporary exhibition. From 1st June to 31st October, Palazzo Vescovile; opening hours: Tue–Sun 10:00-17:00.

Concert: Ensemble Vocal Art. 19th June, 20:30, Chiesa Parrocchiale di Milan. Music by J. S. Bach, M. Reger, K. Nystedt.

Guided Tour: the Hidden gardens of Brixen-Bressanone. 22nd June, 10:00; meeting point Office of the Tourist Association Bressanone. For more information contact: Tourist Office Brixen, Bahnhofstraße, tel. (+39)-0472-836401, info@brixen.org.