

SEBD 2015



23rd ITALIAN SYMPOSIUM ON ADVANCED DATABASE SYSTEMS
HOTEL MIRASOLE INTERNATIONAL – GAETA
JUNE 14-17, 2015

CONFERENCE PROGRAM

SUNDAY		JUNE 14
14:30-15:30	Tutorial (<i>chair: Domenico Lembo</i>) Antonella Poggi	Updating Data and Knowledge Bases
15:30-15:45	Break	
15:45-16:45	Tutorial (<i>chair: Riccardo Torlone</i>) Paolo Papotti	Beyond Declarative Data Cleaning
16:45-17:00	Break	
17:00-18:00	Industrial Talk (<i>chair: Massimo Mecella</i>) Paolo Merialdo	The startup ecosystem: a quick tour
19:00-21:00	Welcome Reception	

MONDAY		JUNE 15
08:45-9:00	Opening Session	
09:00-10:00	Invited Talk (chair: Riccardo Torlone)	
	Ioana Manolescu	Database Optimization Techniques for Semantic Queries
	Processes and Services (chair: Massimo Mecella)	
	Diego Calvanese, Marco Montali, Fabio Patrizi and Andrey Rivkin	Leveraging Relational Technology for Data-Centric Dynamic Systems
	Andrea Marrella, Massimo Mecella, Alessandro Russo, Sebastian Steinau, Kevin Andrews and Manfred Reichert	A Survey on Handling Data in Business Process Models
10:00-11:00	Mario Bochicchio, Giancarlo Guizzardi, Barbara Livieri, Lucia Vaira, Nicola Guarino, Antonella Longo and Marco Zappatore	Modeling Service Dynamics: a Case Study
	Claudia Diamantini, Laura Genga, Domenico Potena and Wil M.P. Van der Aalst	Towards Process Instances Building for Spaghetti Processes
	Devis Bianchini, Valeria De Antonellis and Michele Melchiori	A reputation based approach to enhance web 2.0 application composition
11:00-11:30	Coffee Break	
	Data Mining and Clustering (chair: Domenico Saccà)	
	Mirjana Mazuran, Matteo Simoni and Letizia Tanca.	AIDA: Automatic Indexing based on DATA mining
	Jurica Levatić, Michelangelo Ceci, Dragi Kocev and Saso Dzeroski	Semi-supervised learning for multi-target regression
11:30-12:30	Flora Amato, Roberto Boselli, Mirko Cesarini, Fabio Mercurio, Mario Mezzanzanica, Vincenzo Moscato, Fabio Persia and Antonio Picariello	Classification of Web Job Advertisements: A Case Study
	Lorenzo Albano, Domenico Beneventano and Sonia Bergamaschi	Multilingual Word Sense Induction to Improve Web Search Result Clustering
	Michelangelo Ceci, Roberto Corizzo, Fabio Fumarola, Michele Ianni, Donato Malerba, Gaspare Maria, Elio Masciari, Marco Oliverio and Aleksandra Rashkovska	VIPOC Project Research Summary
12:30-14:00	Lunch	
	Data Integration and Interoperability (chair: Silvana Castano)	
	Loredana Caruccio, Vincenzo Deufemia and Giuseppe Polese	Automating Conceptual Schema Reconciliation through a DL-based Schema Matcher
	Eleonora Laurenza	Solving conflicts in data integration with Bayesian networks
14:00-15:15	Francesca Bugiotti, Damian Bursztyń, Alin Deutsch, Ioana Ileana and Ioana Manolescu	Toward Scalable Hybrid Stores
	Andrea Cali and Umberto Straccia	A Framework for Conjunctive Query Answering over Distributed Deep Web Information Resources
	Francesco Buccafurri, Lidia Fotia, Gianluca Lax, Serena Nicolazzo and Antonino Nocera	A lightweight electronic signature scheme using Twitter
	Domenico Lembo, Jose Mora, Riccardo Rosati, Domenico Fabio Savo and Evgenij Thorstensen	Mapping Analysis in Ontology-based Data Access: Algorithms and Complexity
15:15-15:45	Coffee Break	
	Ontologies and Semantic Web (chair: Domenico Lembo)	
	Flora Amato, Aniello De Santo, Vincenzo Moscato, Fabio Persia, Antonio Picariello, Silvestro Roberto Poccia and Giancarlo Sperli	A structure-based approach for ontology partitioning
15:45-17:00	Maurizio Lenzerini, Lorenzo Lepore and Antonella Poggi	Crossing the boundary of "meta" in Conceptual Modeling
	Diego Calvanese, Benjamin Cogrel, Elem Guzel Kalayci, Sarah Komla Ebri, Roman Kontchakov, Martin Rezk, Mariano Rodríguez Muro and Guohui Xiao	OBDA with the Ontop Framework
	Andrea Dessi and Maurizio Atzori	Schema-Agnostic Ranking of RDF Properties
	Maurizio Atzori	Introducing the Web of Functions: Interoperable Higher-Order Functions in Pure SPARQL
	Alfredo Cuzzocrea and Giuseppe Pirrò	Knowledge-Driven Digital Forensics
20:00-24:00	Dinner in a Pizzeria	

TUESDAY		JUNE 16
09:00-10:00	Invited Talk (chair: Maurizio Lenzerini)	
	Leonid Libkin	SQL's Handling of Nulls: Can It Be Fixed?
	Query Answering (chair: Andrea Pugliese)	
10:00-11:00	Claudio Silvestri, Francesco Lettich, Salvatore Orlando and Christian S. Jensen	A wait-free output data structure for GPU-based streaming query processing
	Maurizio Atzori and Carlo Zaniolo	Beyond Text-based Web Search: Question Answering and By-Example Structured Queries compared on Wikipedia
	Sonia Bergamaschi, Nicola Ferro, Francesco Guerra and Gianmaria Silvello	A Perspective Look at Keyword-based Search Over Relation Data and its Evaluation (extended abstract)
	Ilaria Bartolini, Domenico Beneventano, Sonia Bergamaschi, Paolo Ciaccia, Alberto Corni, Mirko Orsini, Marco Patella and Marco Maria Santese	MOMIS Goes Multimedia: WINDSURF and the Case of Top-K Queries
11:00-11:30	Coffee Break	
	Data Analysis (chair: Matteo Golfarelli)	
11:30-12:30	Marcello Buoncristiano, Giansalvatore Mecca, Elisa Quintarelli, Manuel Roveri, Donatello Santoro and Letizia Tanca	Exploratory Computing: What is there for the Database Researcher?
	Silvana Castano, Alfio Ferrara and Stefano Montanelli	Exploratory Analysis of Web Information Resources
	Giuseppe Tradigo, Carmine Pagliaro, Giovanni Canino, Pietro Hiram Guzzi and Pierangelo Veltri	GIS for the analysis and monitoring of environmental issues related to life quality.
	Luca Greco, Francesco Colace and Massimo De Santo	A Sentiment Analysis Framework for E-Learning
	Carlo Batini and Angela Locoro	Putting Open Data to the Test of Life: Conceptual Schemas as a Means to Compare and Measure Social Value
12:30-14:00	Lunch	
14:00-16:30	DATAID WORKSHOP (chair: Carlo Batini)	
16:30-24:00	Social Event and Conference Dinner in Sperlonga	

DATAID WORKSHOP

The workshop is organized as part of the SEBD-15 conference on the occasion of the 30 years since the end of the project DataID, which many senior members of the Italian database community have participated to, as part of the First Special Project funded by the CNR institute, in the period 1980-85. The workshop discussion will move from the following question: how was it possible that a group of young researchers, thanks to their participation in the project DataID, has become in those years one of the leading research groups of databases in the world? There will be an initial talk of Carlo Batini, the workshop organizer, who will report on three periods for the database research in Italy: before, during, and after the DataID project. The report will be followed by many talks from senior researchers who participated in the DataID project.

WEDNESDAY		JUNE 17
09:00-10:00	Invited Talk (chair: Paolo Atzeni) C. Mohan	Big Data: Hype and Reality
Logic Programming and Data Warehousing (chair: Diego Calvanese)		
10:00-11:00	Marco Calautti, Sergio Greco, Cristian Molinaro and Irina Trubitsyna	Checking Termination of Datalog with Function Symbols Through Linear Constraints
	Fabrizio Angiulli, Rachel Ben-Eliyahu-Zohary, Fabio Fassetti and Luigi Palopoli	Exploiting the HEF property to check model minimality
	Luigi Bellomarini, Paolo Atzeni, Marco De Leonardis and Fabio Sorà	Handling high-dimensional data in statistical compilation: a relational approach
	Mario Bochicchio and Lucia Vaira	Using Binary Tables to Manage Incompleteness in Multidimensional Analysis
	Lorenzo Baldacci, Matteo Golfarelli, Simone Graziani and Stefano Rizzi	Analyzing Genomic Mappings with the GOLAM Framework
11:00-11:30	Coffee Break	
Big Data and NoSQL Systems (chair: Letizia Tanca)		
11:30-12:45	Michele Ianni, Elio Masciari, Giuseppe Massimiliano Mazzeo, Marco Oliverio and Carlo Zaniolo	Hierarchical Big Data Clustering
	Nunziato Cassavia, Pietro Dicosta, Elio Masciari and Domenico Saccà	Effective Big Data Warehouses Surfing
	Nicole Bidoit, Dario Colazzo, Carlo Sartiani, Alessandro Solimando and Federico Ulliana	Queries and Updates on Big XML Documents
	Francesca Bugiotti, Luca Cabibbo, Paolo Atzeni and Riccardo Torlone	How I Learned to Stop Worrying and Love NoSQL Databases
	Pietro Colombo and Elena Ferrari	Complementing MongoDB with Advanced Access Control Features: Concepts and Research Challenges
	Monica Vitali	Managing Energy Efficiency and Quality of Service in Cloud Applications Using a Distributed Monitoring System
12:45-13:00	Closing Session	
13:00-14:30	Lunch	

SOCIAL PROGRAM

Sunday, June 14, 19:00-21:00 – Welcome Reception

A welcome cocktail is organized the day before the conference officially starts. The cocktail comprises a light buffet dinner and will be served poolside at Hotel Mirasole International (conference venue).

Monday, June 15, 20:00-24:00 – Dinner in a Pizzeria

Monday dinner will be held in a pizzeria in Gaeta.

Tuesday, June 16, 16:30-24:00 – Social Event and Conference Dinner in Sperlonga

The social event features a guided visit to the Grotta di Tiberio and to Sperlonga, where there will be the SEBD 2015 gala dinner at the restaurant Tramonto, via C. Colombo 201. After the dinner, a live show with folk songs and dances will be staged. Bus transport is available for participants and accompanying persons. The buses leave from the hotel at 16:30. Dinner is scheduled at 20:30. The return to the hotel is expected at 24:00.

All events are reserved to registered participants and accompanying persons who purchased the ticket for social events.

REGISTRATION DESK OPENING HOURS

Sunday, June 14: 14:00-17:00

Monday, June 15: 8:30-10:00

Tuesday, June 16: 8:30-10:00