

SEBD '16



**24th Italian Symposium
on Advanced Database
Systems**

**June 19-22, 2016
Ugento, Lecce, Italy**

Conference Program

Sunday June 19 th 2016	
14:30 - 15:30	Tutorial (chair: Antonella Longo) Michelangelo Ceci - <i>“Big Data Analytics”</i>
15:30 - 15:45	Break
15:45 - 16:45	Tutorial (chair: Pierangelo Veltri) Ernesto Damiani - <i>“Techniques, Technologies and Models for Big Data as a service”</i>
16:45 - 17:00	Break
17:00 - 18:00	Tutorial (chair: Devis Bianchini) Antonella Longo - <i>“Service Level Aware Contract Management: Data Management Models and Methods”</i>
20:30 - 22:00	Welcome Reception
Monday June 20 th 2016	
08:45 - 09:00	Opening session
09:00 - 10:00	Invited Talk (chair: Domenico Saccà) Alon Halevy - <i>Structured Data in Web Search Results</i>
10:00 - 11:00	Session 1: Social Networks and Graph Databases (chair: Francesco Buccafurri)
	<ul style="list-style-type: none"> • [10:00-10:15] - Alessio Conte, Roberto De Virgilio, Antonio Maccioni, Maurizio Patrignani and Riccardo Torlone - <i>Community Detection in Social Networks: Breaking the Taboos</i>
	<ul style="list-style-type: none"> • [10:15-10:30] - Gianluigi Greco, Francesco Lupia and Francesco Scarcello - <i>Towards a Fair VQR with the Aid of Database (and Game) Theory</i>
	<ul style="list-style-type: none"> • [10:30-10:45] - Flora Amato, Vincenzo Moscato, Antonio Picariello and Giancarlo Sperli - <i>A hypergraph-based model for Multimedia Social Network</i>
11:00 - 11:30	<ul style="list-style-type: none"> • [10:45-11:00] - Nunziato Cassavia, Elio Masciari, Chiara Pulice and Domenico Saccà - <i>Enhanced User Search Activity by Big Data Tools</i>
	Coffee break
11:30 - 12:00	Session 2: Elevator pitch (chair: Riccardo Rosati)
	<ul style="list-style-type: none"> • [11:30-11:35] - Federica Mandreoli and George H. L. Fletcher - <i>No users no dataspace! Query-driven dataspace orchestration</i>
	<ul style="list-style-type: none"> • [11:35-11:40] - Suvarna Bothe, Alfredo Cuzzocrea, Panagiotis Karras and Akriivi Vlachou - <i>Computing Skylines over Encrypted Data in Cloud Environments</i>
	<ul style="list-style-type: none"> • [11:40-11:45] - Donatello Santoro, Michele Santomauro and Enzo Veltri - <i>Government Interoperability Frameworks: Tools and Methodologies</i>
12:00 - 12:30	<ul style="list-style-type: none"> • [11:45-12:00] - Giuseppe Desolda and Maria Francesca Costabile - <i>Building Data Sources with Linked Open Data to Enrich Mashup Platforms</i>
	Session 3: Data integration (chair: Marco Patella)
12:00 - 12:30	<ul style="list-style-type: none"> • [12:00-12:15] - Domenico Lembo, Riccardo Rosati, Valerio Santarelli, Domenico Fabio Savo and Evgenij Thorstensen - <i>Approaching OBDA Evolution through Mapping Repairs</i>
	<ul style="list-style-type: none"> • [12:15-12:30] - Giovanni Simonini and Sonia Bergamaschi - <i>Enhancing Entity Resolution Efficiency with Loosely Schema-aware Techniques</i>
12:30 - 14:00	Lunch

14:00 - 15:15	Session 4: Query Answering (chair: Letizia Tanca)
	<ul style="list-style-type: none"> • [14:00-14:15] - Eleonora Ciceri, Piero Fraternali, Davide Martinenghi and Marco Tagliasacchi - <i>Humans Fighting Uncertainty: Crowdsourcing for Top-K Query Processing</i>
	<ul style="list-style-type: none"> • [14:15-14:30] - Piero Montanari, Ilaria Bartolini, Paolo Ciaccia, Marco Patella, Stefano Ceri and Marco Masseroli - <i>Looking for Similar Patterns in Genomic Sequences</i>
	<ul style="list-style-type: none"> • [14:30-14:45] - Domenico Dato, Claudio Lucchese, Franco Maria Nardini, Salvatore Orlando, Raffaele Perego, Nicola Tonellotto and Rossano Venturini - <i>Ranking Documents Efficiently with QuickScorer</i>
	<ul style="list-style-type: none"> • [14:45-15:00] - Giovanni Canino, Pietro Hiram Guzzi, Mariagrazia Scarpino, Giuseppe Tradigo and Pierangelo Veltri - <i>Patient wellness: geoanalysis of biological and environmental data</i>
	<ul style="list-style-type: none"> • [15:00-15:15] - Nicola Ferro and Gianmaria Silvello - <i>Fast access to XML data: A set-based approach</i>
15:15 - 15:45	Coffee break
15:45 - 17:00	Session 5: Data Analysis (chair: Davide Martinenghi)
	<ul style="list-style-type: none"> • [15:45-16:00] - Marcella Dimaggio, Francesco Leotta, Massimo Mecella and Daniele Sora - <i>Mining User Habits in Smart Spaces through Process Mining Techniques. Preliminary Experiments and Techniques</i>
	<ul style="list-style-type: none"> • [16:00-16:15] - Marco Calautti, Sergio Greco, Cristian Molinaro and Irina Trubitsyna - <i>Leveraging Equality Generating Dependencies for Chase Termination</i>
	<ul style="list-style-type: none"> • [16:15-16:30] - Sven Helmer and Fabio Persia - <i>An Interval-based Query Language for High-level Surveillance Event Detection</i>
	<ul style="list-style-type: none"> • [16:30-16:45] - Francesco Buccafurri, Gianluca Lax, Serena Nicolazzo and Antonino Nocera - <i>Completeness, Correctness and Freshness of Cloud-Managed Data Streams</i>
	<ul style="list-style-type: none"> • [16:45-17:00] - Chiara Renso, Valeria Cesario Times, Salvatore Rinzivillo, Raffaele Perego and Vinicius Monteiro de Lira - <i>Activity-based Carpooling with ComeWithMe</i>
20:30 - 24:00	Salentinian Dinner + Pizzica dance

Tuesday June 21st 2016	
09:00 - 10:00	Invited Talk (chair: Mario Bochicchio) Shamkant B. Navathe - <i>Challenges and opportunities of data mining and predictive modeling applications for clinical healthcare data</i>
10:00 - 11:00	Session 6: Data Mining and Knowledge Discovery (chair: Elio Masciari)
	<ul style="list-style-type: none"> • [10:00-10:15] - Francesco Serafino, Gianvito Pio, Donato Malerba and Michelangelo Ceci - <i>Multi-Type Classification from Heterogeneous Networks</i>
	<ul style="list-style-type: none"> • [10:15-10:30] - Lucia Vaira, Mario Bochicchio and Shamkant Navathe - <i>Perspectives in Healthcare Data Management with Application to Maternal and Fetal Wellbeing</i>
	<ul style="list-style-type: none"> • [10:30-10:45] - Michelangelo Ceci, Gianvito Pio, Vladimir Kuzmanovski and Sašo Džeroski - <i>Semi-Supervised Multi-View Learning for Gene Network Reconstruction</i>
	<ul style="list-style-type: none"> • [10:45-11:00] - Sara Marchesini, Martina Morlacchi Bonfanti, Mirjana Mazuran, Davide Greco and Letizia Tanca - <i>Mercurio: predicting financial events from expert knowledge and financial news</i>

11:00 - 11:30	Coffee break
11:30 - 12:00	Session 7: Elevator pitch (chair: Nicola Ferro)
	<ul style="list-style-type: none"> • [11:30-11:35] - Tommaso Di Noia, Marina Mongiello, Francesco Nocera and Eugenio Di Sciascio - <i>Persistence on different databases via reflective IoT Middleware</i>
	<ul style="list-style-type: none"> • [11:35-11:40] - Bettina Fazzinga, Sergio Flesca, Filippo Furfaro, Elio Masciari, Luigi Pontieri and Chiara Pulice - <i>A framework supporting the analysis of process l</i>
	<ul style="list-style-type: none"> • [11:40-11:45] - Alfredo Cuzzocrea, Gianluigi Folino and Pietro Sabatino - <i>Adaptive Intrusion Detection in Distributed Environments: An Ensemble-Based Approach</i>
	<ul style="list-style-type: none"> • [11:45-11:50] - Gianluigi Greco, Francesco Lupia and Francesco Scarcello - <i>Greedy Strategies and Larger Islands of Tractability for Conjunctive Queries</i>
	<ul style="list-style-type: none"> • [11:50-12:00] - Lidia Federico, Pasquale Franco, Alessandra Perri, Antonio Minelli, Rocco Picarelli, Francesco Dattola, Luciano Caroprese, Ester Zumpano, Alfredo Fortunato, Pasquale Lambardi, Sara Laurita, Ivana Pellegrino, Giuseppe Tradigo, Pierangelo Veltri and Andrea Tagarelli - <i>SINSE+: a software for the acquisition and analysis of open data in health and social area</i>
12:00 - 12:30	Session 8: Data warehousing (chair: Stefano Rizzi)
	<ul style="list-style-type: none"> • [12:00-12:15] - Claudia Diamantini, Domenico Potena and Emanuele Storti - <i>Collaborative Building of a Shared Library of Performance Indicators</i> • [12:15-12:30] - Antonella Longo, Marco Zappatore and Mario A. Bochicchio - <i>The Main Challenges around Integrating Digital Libraries</i>
12:30 - 14:00	Lunch
14:00 - 16:00	PANEL Big Data: perspective & opportunities <ul style="list-style-type: none"> • Fosca Giannotti, CNR, Pisa • Sonia Bergamaschi, Università di Modena e Reggio Emilia • Donato Malerba, Università degli Studi di Bari • Mauro Draoli, AGID
16:30 - 18:30	Excursion by boat to Ionian caves
20:30 - 24:00	Gala Dinner @ Villa Elda

Wednesday June 22nd 2016	
09:00 - 10:00	Invited Talk (chair: Paolo Paolini) Michael Franklin - <i>Human-in-the-loop Analytics</i>
10:00 - 11:00	Session 9: Big Data and Smart Computing (chair: Michelangelo Ceci)
	<ul style="list-style-type: none"> • [10:00-10:15] - Silvana Castano, Alfio Ferrara and Stefano Montanelli - <i>Crowdclustering Web Resources: the HC2 Approach</i>
	<ul style="list-style-type: none"> • [10:15-10:30] - Barbara Furletti, Daniele Fadda, Leonardo Piccini, Mirco Nanni and Patrizia Lattarulo - <i>Big Data and Public Administration: a case study</i>
	<ul style="list-style-type: none"> • [10:30-10:45] - Giuseppe Chiapparo, Umberto Ferraro Petrillo, Donatella Firmani - <i>Biconnectivity of Social and Web Graphs</i> • [10:45-11:00] - Alfredo Cuzzocrea, Marcello Di Stefano, Paolo Fosci and Giuseppe Psaila - <i>Querying NoSQL-based Crowdsourcing Systems Efficiently</i>
11:00 - 11:30	Coffee break

11:30 - 12:00	Session 10: Elevator pitch (chair: Domenico Potena)
	• [11:30-11:35] - Azzurra Ragone, Tommaso Di Noia, Andrea Maurino, Matteo Palmonari, Vito Walter Anelli and Andrea Cali - <i>Linking geographical data: the case of Open Street Map</i>
	• [11:35-11:40] - Maurizio Lenzerini, Lorenzo Lepore and Antonella Poggi - <i>Answering metaqueries over Hi(OWL 2 QL) ontologies</i>
	• [11:40-11:45] - Stefano Rizzi, Enrico Gallinucci, Matteo Golfarelli, Alberto Abello and Oscar Romero - <i>Exploratory OLAP on Linked Data</i>
	• [11:45-12:00] - Nicola Guarino - <i>On the reification of relationships</i>
12:00 - 12:45	Session 11: Data visualization and Semantic Web Data (chair: Stefano Montanelli)
	• [12:00-12:15] - Fabio Benedetti and Sonia Bergamaschi - <i>A model for visual building SPARQL queries</i>
	• [12:15-12:30] - Devis Bianchini, Valeria De Antonellis and Michele Melchiori - <i>Food Recommendation based on Semantic Annotations and Reference Prescriptions: the Smart Break project</i>
	• [12:30-12:45] - Paolo Paolini, Nicoletta Di Blas, Luca Mainetti and Roberto Vergallo - <i>Exploratory Computing: Combining Faceted Search with Data Mining</i>
12:45- 13:00	Closing Session
13:00 - 14:30	Lunch

SOCIAL PROGRAM (summary)

Sunday, June 19th

- 20:30 - 22:00 – Welcome Reception: buffet dinner served at Robinson Club Apulia

Monday, June 20th

- 17:30 - 19:30 – Cooking class
- 18:00 - “Traditional” football match
- 20:30 - 24:00 – Salentinian Dinner + Pizzica dance with direct involvement of participants

Tuesday, June 21st

- 16:30 - 18:30 – Excursion by boat to Ionian caves (in case of good weather) with a light fruit snack and drinks
- 20:30 - 24:00 – Gala Dinner @ Villa Elda

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

REGISTRATION DESK OPENING HOURS

Sunday, June 19th: 14:00 - 17:00

Monday, June 20th: 08:30 - 10:00

Tuesday, June 21st: 08:30 - 10:00

Extra activities

- Children’s entertainment
- Sport activities (Group Fitness, Fitness training, Archery, Tennis, Soccer, ...)
- Beach facilities