

Sunday June 30th 2013

- 15:00 - 15:30 Registration
- 15:30 - 17:00 **Tutorial (Chair: Domenico Ursino)**
Outlier detection: tasks and techniques - Fabrizio Angiulli and Luigi Palopoli
- 17:00 - 19:00 Free time
- 19:00 - 20:30 Jazz Concert
- 20:30 - 22:00 Welcome dinner
- 22:00 - 23:59 Roccella by night

Monday July 1st 2013

- 08:30 - 08:50 Registration
- 08:50 - 09:00 Opening Session
- 09:00 - 10:00 **Invited Talk 1 (Chair: Domenico Saccà)**
Transforming Big Data into Smart Data: Deriving Value via harnessing Volume, Variety and Velocity using semantics and Semantic Web - Amit Sheth
- 10:00 - 11:00 **Session 1: Semantic Web & Ontologies I**
Chair: Maurizio Lenzerini
- 10:00 - 10:20 Knowledge-Based Business Innovation Support - C. Diamantini, M. Missikoff, D. Potena, F. Smith, E. Storti and F. Taglino
- 10:20 - 10:30 A Semantic Multi-Lingual Method for Publishing Linked Open Data - S. Sorrentino, S. Bergamaschi and E. Fusari
- 10:30 - 10:40 Thematic Linked Data Exploration through inWalk - S. Castano, A. Ferrara and S. Montanelli
- 10:40 - 10:50 Web Maps and their Algebra - V. Fionda, C. Gutierrez and G. Pirrò
- 10:50 - 11:00 On Ontologies and CP-nets - T. Di Noia and T. Lukasiewicz
- 11:00 - 11:30 Coffee break
- 11:30 - 12:50 **Session 2: Logic & Deductive Databases**
Chair: Mariano Consens
- 11:30 - 11:50 A graphic tool for ontology reasoning under Datalog³ - O. Febraro, N. Leone, F. Ricca, G. Terracina and P. Veltri
- 11:50 - 12:10 A Comparison of Data Models and APIs of NoSQL Datastores - F. Bugiotti and L. Cabibbo
- 12:10 - 12:30 The Logic of Extensional RDFS (Extended Abstract) - E. Franconi, C. Gutierrez, A. Mosca, G. Pirrò and R. Rosati
- 12:30 - 12:40 An Integrated Approach for Answering Range Queries over Incomplete Spatial Databases Efficiently - A. Cuzzocrea and A. Nucita
- 12:40 - 12:50 The View-Update Problem for Indefinite Databases - L. Caroprese, I. Trubitsyna, M. Truszczynski and E. Zumpano
- 13:00 - 14:30 Lunch
- 14:30 - 15:30 **Session 3: Semantic Web & Ontologies II**
Chair: Nicola Ferro
- 14:30 - 14:50 A Lightweight Matchmaking Engine for the Semantic Web of Things - F. Gramegna, S. Ieva, G. Loseto, M. Ruta, F. Scioscia and E. Di Sciascio
- 14:50 - 15:10 An RDF framework for Semantic Indexing and Summarization - F. Amato, A. Mazzeo, V. Moscato and A. Picariello
- 15:10 - 15:20 Multiple perspectives in searching Web APIs for mashups - D. Bianchini, V. De Antonellis and M. Melchiori
- 15:20 - 15:30 A Semantic-based Framework for Supporting Interaction and Cooperation in Content-Based Web 3.0 Applications - A. Bevacqua, M. Carnuccio, A. Cuzzocrea, R. Ortale and E. Ritacco
- 15:30 - 15:45 Coffee break
- 15:45 - 16:15 Free time
- 16:15 - 21:00 Guided Tour to Gerace and MUSABA Museum
- 21:00 - 23:59 Stockfish Dinner

Tuesday July 2nd 2013

- 09:00 - 09:20 Registration
- 09:20 - 10:20 **Invited Talk 2 (Chair: Francesco Buccafurri)**
Querying Big, Dynamic, Distributed Data - Minos Garofalakis
- 10:20 - 11:00 **Session 4: Visual, Spatial and Health Databases**
Chair: Alfredo Cuzzocrea
- 10:20 - 10:40 A Visual Analytics Tool for Experimental Evaluation - M. Angelini, N. Ferro, G. Santucci and G. Silvello
- 10:40 - 10:50 Can cloud computing helps to develop dynamic and customized fetal growth curves? - M. Bochicchio, L. Vaira, A. Malvasi, A. Tinelli and A. Longo
- 10:50 - 11:00 Refactoring Database to Improve Queries Performance - M. B. Domingues, J. R. Almeida Junior, W. F. Costa and A. M. Saraiva
- 11:00 - 11:30 Coffee break
- 11:30 - 13:00 **Session 5: Social Networks & Graph Databases**
Chair: Letizia Tanca
- 11:30 - 11:40 User-Friendly Structured Queries on Wikipedia: the SWiPE System - M. Atzori and C. Zaniolo
- 11:40 - 11:50 Bridge-Driven Search in Social Internetworking Scenarios - F. Buccafurri, G. Lax, A. Nocera and D. Ursino
- 11:50 - 12:00 A Powerful Traversal Language for Discoverable Graphs - M. Consens, V. Fionda and G. Pirrò
- 12:00 - 12:10 Structural analysis of Italian Parliamentarian voting network - A. Amelio and C. Pizzuti
- 12:10 - 12:20 Topic-aware Social Influence Propagation Models - N. Barbieri, F. Bonchi and G. Manco
- 12:20 - 12:30 Supporting dynamic community bonding in emergency situations - T. Di Mascio, F. Gobbo and L. Tarantino
- 12:30 - 12:40 On multidimensional network measures - M. Magnani, A. Monreale, G. Rossetti, and F. Giannotti
- 12:40 - 12:50 Measuring tie strength in multidimensional networks - L. Pappalardo, G. Rossetti and D. Pedreschi
- 12:50 - 13:00 Studying miRNA-mRNA associations by using graphs - P.H. Guzzi, G. Tradigo, P. Veltri and M. Cannataro
- 13:00 - 15:00 Lunch
- 15:00 - 15:50 **Session 6: Data Transformation**
Chair: Enrico Franconi
- 15:00 - 15:10 Using a HMM based approach for mapping keyword queries into database terms - S. Bergamaschi, F. Guerra, M. Interlandi, S. Rota, R. T. Lado and Y. Velegrakis
- 15:10 - 15:20 Building Graphs from Tables - R. De Virgilio, A. Maccioni and R. Tortone
- 15:20 - 15:30 On the Quality and Effectiveness of Data Transformation Systems - G. Mecca, P. Papotti, S. Raunich and D. Santoro
- 15:30 - 15:40 Optimization of Query Rewriting in Ontology-Based Data Access - M. Ruzzi, D. Lembo, M. Lenzerini, A. Poggi, R. Rosati, D. F. Savo, F. Di Pinto and R. Mancini
- 15:40 - 15:50 An approach to define flexible structural constraints in XQuery - E. Masciari, E. Panzeri and G. Pasi
- 15:50 - 16:50 **Session 7: Applications**
Chair: Riccardo Tortone
- 15:50 - 16:00 Pervasive Data Management in the Green Move System: a Progress Report - E. Panigati, A. Rauseo, F. A. Schreiber and L. Tanca
- 16:00 - 16:10 ARISTOTELE: An Environment for Managing Knowledge-Intensive Enterprises - D. Toti, S. Paolozzi, P. Del Nostro, A. Gaeta and P. Ritrovato
- 16:10 - 16:20 Multi-level Data Fusion of Environmental Data in Future Internet Applications - S. Modafferi, A. Chakravarthy and Z. Sabeur
- 16:20 - 16:30 Validating general human mobility patterns on massive GPS data - L. Pappalardo, S. Rinzivillo, D. Pedreschi and F. Giannotti

- 16:30 - 16:40 On Reducing the number of Visual Words - G. Amato, F. Falchi, C. Gennaro and F. Rabitti
- 16:40 - 16:50 Estimating Time-Dependent speed functions using a Gravity Model over Road Network - P. Cintia, R. Trasarti, J. A. De Macedo, L. Almada and C. Ferreira
- 16:50 - 17:20 Coffee break
- 17:20 - 21:00 Free time
- 21:00 - 23:59 Social Dinner with Ethnic Music and Disco Music

Wednesday July 3rd 2013

- 09:00 - 09:20 Registration
- 09:20 - 10:00 **Session 8: Uncertainty, Privacy & Security**
Chair: Fabio Schreiber
- 09:20 - 09:40 Privacy-Aware Distributed Mobility Data Analytics - F. Pratesi, A. Monreale, H. Wang, S. Rinzivillo, D. Pedreschi, G. Andrienko and N. Andrienko
- 09:40 - 09:50 Probabilistic Argumentation: complexity results - B. Fazzinga, S. Flesca and F. Parisi
- 09:50 - 10:00 Differential Privacy: Improving Utility via Differential Noise - M. Shoaran, A. Thomo and J. Weber
- 10:00 - 11:00 **Session 9: Query Answering & Deductive Databases**
Chair: Sergio Greco
- 10:00 - 10:20 Structural Tractability of ORDER BY Queries - G. Greco and F. Scarcello
- 10:20 - 10:40 Visually Querying and Accessing Data Streams in Industrial Engineering Applications - M. Leva, M. Mecella, A. Russo, T. Catarci, S. Bergamaschi, A. Malagoli, T. Risch, C. Xu and L. Melander
- 10:40 - 10:50 Development Tools for Datalog - O. Febraro, G. Grasso, N. Leone, K. Reale and F. Ricca
- 10:50 - 11:00 Query Answering over Disjunctive Datalog with Existential Quantifiers - M. Alviano, W. Faber, N. Leone and M. Manna
- 11:00 - 11:30 Coffee break
- 11:30 - 13:00 **Session 10: Data Analysis & Mining**
Chair: Sonia Bergamaschi
- 11:30 - 11:50 Information Retrieval, Market Trends Analysis and Forecast for Supporting Made-In-Italy: the DesigNET Prototype - N. Giovinazzi, M. Mecella, P. Roderigo, T. Catarci, P. Baruchelli and L. Telesca
- 11:50 - 12:00 Semantic Analysis of Proteomics Data - P. H. Guzzi and M. Mina
- 12:00 - 12:10 Point of Interest Communities Discovery over Mobility Data - I. Brilhante, M. Berlingerio, R. Trasarti, C. Renso, J. Macedo and M. A. Casanova
- 12:10 - 12:20 Reasoning about Precedence Constraints for Process Mining Applications - G. Greco, A. Guzzo, F. Lupia and L. Pontieri
- 12:20 - 12:30 Adaptive Trace Abstraction Approach for Predicting Business Process Performances - A. Bevacqua, M. Carnuccio, F. Folino, M. Guarascio and L. Pontieri
- 12:30 - 12:40 HOCCLUS2: A Biclustering Algorithm for the Discovery of miRNA:mRNA Regulatory Modules - G. Pio, M. Ceci, D. D'Elia, C. Loglisci and D. Materba
- 12:40 - 12:50 MMVar: Clustering Uncertain Objects via Minimization of the Variance of Cluster Mixture Models - G. Ponti and A. Tagarelli
- 12:50 - 13:00 Association Rule Mining as a Cloud-Based Service - D. Apiletti, E. Baralis, T. Cerquitelli, S. Chiusano and L. Grimaudo
- 13:00 - 13:30 Closing Session
- 13:30 - 15:00 Lunch
- 15:00 - 18:00 ICT-SUD Meeting

Thursday July 4th 2013

- 09:00 - 13:00 ICT-SUD Meeting