

13th International Conference on Flexible Query Answering Systems



July 2-5, 2019, Amantea, Italy

FINAL PROGRAM

OVERVIEW

Tuesday 2, July			Wednesday 3, July			Thursday 4, July			Friday 5, July			
08:20	08:40	Registration	08:20	08:40	Registration	08:20	08:40	Registration	08:20	08:40	Registration	
08:40	09:00	Opening Session	08:40	09:00		08:40	09:00		08:40	09:00		
09:00	09:20	VS Subrahmanian (Invited Speech)	09:00	09:20	Matthias Thimm (Tutorial)	09:00	09:20	Josep Domingo-Ferrer (Invited Speech)	09:00	09:20	Enrico Franconi (Invited Speech)	
09:20	09:40		09:20	09:40		09:20	09:40		09:20	09:40		
09:40	10:00		09:40	10:00		09:40	10:00		09:40	10:00		
10:00	10:20	Flexible Database Management and Querying	10:00	10:20		10:00	10:20	Flexible Query Answering Methods and Techniques	10:00	10:20	Flexibility in Tools	
10:20	10:40		10:20	10:40	10:20	10:40	10:20		10:40			
10:40	11:00		10:40	11:00	Coffee Break	10:40	11:00		10:40	11:00		
11:00	11:20	Coffee Break	11:00	11:20		11:00	11:20	Coffee Break	11:00	11:20	Coffee Break	
11:20	11:40		11:20	11:40		11:20	11:40		11:20	11:40		
11:40	12:00	Ontologies & Knowledge Bases	11:40	12:00	Argumentation-Based Query Answering	11:40	12:00	Flexible Intelligent Information- Oriented & Network-Oriented Approaches	11:40	12:00	Systems & Miscellanea	
12:00	12:20		12:00	12:20		12:00	12:20		12:00	12:20		
12:20	12:40		12:20	12:40		12:20	12:40		12:20	12:40		
12:40	13:00	Lunch	12:40	13:00	Lunch	12:40	13:00	Lunch	12:40	13:00	Closing Session	
13:00	13:20		13:00	13:20		13:00	13:20		13:00	13:20		
13:20	13:40		13:20	13:40		13:20	13:40		13:20	13:40		
13:40	14:00		13:40	14:00		13:40	14:00		13:40	14:00		
14:00	14:20		14:00	14:20		14:00	14:20		14:00	14:20	Lunch	
14:20	14:40		14:20	14:40		14:20	14:40		14:20	14:40		
14:40	15:00	Fabrizio Sebastiani (Tutorial)	14:40	15:00	Data Mining & Knowledge Discovery	14:40	15:00	Big Data Veracity & Soft Computing	14:40	15:00		
15:00	15:20		15:00	15:20		15:00	15:20		15:00	15:20		
15:20	15:40		15:20	15:40		15:20	15:40		15:20	15:40		
15:40	16:00		15:40	16:00	Coffee Break	15:40	16:00	Coffee Break	15:40	16:00		
16:00	16:20	Coffee Break	16:00	16:20	Advanced Flexible Query Answering Methodologies and Techniques	16:00	16:20	Excursion to Pizzo and Tropea & Banquet Dinner	16:00	16:20		
16:20	16:40		16:20	16:40			16:20		16:40		16:20	16:40
16:40	17:00	Social Network & Social Media	16:40	17:00			16:40		17:00		16:40	17:00
17:00	17:20		17:00	17:20		17:00	17:20			17:00	17:20	
17:20	17:40											
19:00	19:20	Welcome Party										
			21:20	21:40			23:40	00:00				

DETAILED PROGRAM

Tuesday 2, July

8:20 – 8:40 Registration

8:40 – 9:00 Opening Session - Chair: Domenico Saccà

9:00 – 10:00 Invited Talk 1: V.S. Subrahmanian, “Logic, Machine Learning, and Security”

Chair: Sergio Greco

10:00 – 11:00 Session 1: Flexible Database Management and Querying

Chair: Andrea Cali

Markus Endres, Erich Glaser, “*Indexing for Skyline Computation - A Comparison Study*”

Alejandro Grez, Andrea Cali, Martin Ugarte, “*A Simple Data Structure for Optimal Two-Sided Planar Range Queries*”

Nicola Fiorentino, Cristian Molinaro, Irina Trubitsyna. “*Optimizing the Computation of Approximate Certain Query Answers over Incomplete Databases*”

11:00 – 11:40 Coffee Break

11:40 – 12:40 Session 2: Ontologies & Knowledge Bases

Chair: Markus Endres

Daniele Spoladore, Atieh Mahroo, Marco Sacco, “*Leveraging Ontology to enable Indoor Comfort Customization in the Smart Home*”

Mirko Michele Dimartino, Andrea Cali, Alexandra Poulouvasilis, Peter Wood, “*Efficient Ontological Query Answering by Rewriting into Graph Queries*”

Wissem Bouarroudj, Zizette Boufaida, Ladjel Bellatreche. “*WeLink: A Named Entity Disambiguation Approach for a QAS over Knowledge Bases*”

12:40 – 14:20 Lunch

14:20 – 16:00 Tutorial 1: Fabrizio Sebastiani, “Supervised Learning for Prevalence Estimation”

Chair: Guy De Tre

16:00 – 16:40 Coffee Break

16:40 – 17:20 Session 3: Social Networks & Social Media

Chair: Alfredo Cuzzocrea

Esteban Andrés Rissola, Seyed Ali Bahrainian, Fabio Crestani, *“Anticipating Depression based on Online Social Media Behaviour”*

Mabrouka Ben-Sghaier, Wided Bakari, Mahmoud Neji, *“Ar-SLoTE: A Recognizing Textual Entailment Tool for Arabic Question/Answering Systems”*

19:00 – 21:30 Welcome Party (Location: Hotel Village “La Principessa” – Campora San Giovanni)

Wednesday 3, July

9:00 – 10:40 Tutorial 2: Matthias Thimm, “Algorithmic Approaches to Computational Models of Argumentation”

Chair: Gerardo Simari

10:40 – 11:20 Coffee Break

11:20 – 12:40 Session 4: Argumentation-Based Query Answering

Chair: Francesco Parisi

Andrea Cohen, Sebastian Gottifredi, Alejandro Garcia, *“A Heuristic Pruning Technique for Dialectical Trees on Argumentation-Based Query-Answering Systems”*

Bas Testerink, Daphne Odekerken, Floris Bex, *“A Method for Efficient Argument-Based Inquiry”*

Mario Alejandro Leiva, Gerardo Simari, Sebastian Gottifredi, Alejandro García, Guillermo Simari, *“DAQAP: Defeasible Argumentation Query Answering Platform”*

Gianvincenzo Alfano, *“An Efficient Algorithm for Computing the Set of Semi-Stable Extensions”*

12:40 – 14:20 Lunch

14:20 – 15:20 Session 5: Data Mining & Knowledge Discovery

Chair: Hasan Jamil

Karel Gutiérrez-Batista, Jesús R. Campaña, Maria-Amparo Vila, Maria J. Martin-Bautista, *“Using Word Embeddings and Deep Learning for Supervised Topic Detection in Social Networks”*

J. Angel Diaz-Garcia, M. Dolores Ruiz, Maria J. Martin-Bautista, *“Generalized Association Rules for Sentiment Analysis in Twitter”*

Nicolas Spyratos, Tsuyoshi Sugibuchi, *“Data Exploration in the HIFUN Language”*

15:20 – 16:00 Coffee Break

16:00 – 17:00 Session 6: Advanced Flexible Query Answering Methodologies and Techniques

Chair: Karel Gutiérrez-Batista

Haddache Mohamed, Hadjali Allel, Azzoune Hamid, *“Reducing Skyline Query Results: An Approach Based on Fuzzy Satisfaction of Concepts”*

Zied Ben Othmane, Cyril de Runz, Amine Aït Younes, Vincent Mercelot, *“Quantify the Variability of Time Series of Imprecise Data”*

Hasan Jamil, Joel Oduro-Afriyie, *“Semantic Understanding of Natural Language Stories for Near Human Question Answering”*

Thursday 4, July

9:00 – 10:00 Invited Speaker 2: Josep Domingo-Ferrer, “Personal Big Data, GDPR and Anonymization”

Chair: Troels Andreasen

10:00 – 11:00 Session 7: Flexible Query Answering Methods and Techniques

Chair: Giuseppe Psaila

Troels Andreasen, Henrik Bulskov, Per Anker Jensen, Jørgen Fischer Nilsson, *“Deductive Querying of Natural Logic Bases”*

Sotir Sotirov, Desislava Vankova, Valentin Vasilev and Evdokia Sotirova. *“Clustering of Inter-Criteria Analysis Data Using a Health-Related Quality of Life Data”*

Carson Leung, Amanjot Singh Sainbhi, C.T. Kevin Tran, Lucas B. Eckhardt, Qi Wen, Wookey Lee, *“A Flexible Query Answering System for Movie Analytics”*

11:00 – 11:40 Coffee Break

11:40 – 12:40 Session 8: Flexible Intelligent Information-Oriented and Network-Oriented Approaches

Chair: Alexander Alexandrov

Pablo Garcia Bringas, Iker Pastor, Giuseppe Psaila, *“Can Blockchain Technology Provide Information Systems with Trusted Database? The case of HyperLedger Fabric”*

Alexander Alexandrov, Rumen Andreev, *“Method for Modeling and Simulation of Parallel Data Integration Processes in Wireless Sensor Networks”*

Claudia Diamantini, Antonino Nocera, Domenico Potena, Emanuele Storti, Domenico Ursino, *“Find the Right Peers: Building and Querying Multi-IoT Networks Based on Contexts”*

12:40 – 14:20 Lunch

14:20 – 15:20 Session 9: Big Data Veracity & Soft Computing

Chair: Qian Hu

Guy De Tre, Toon Boeckling, Yoram Timmerman, Slawomir Zadrozny, *“Handling Veracity of Nominal Data in Big Data: A Multipolar Approach”*

Krassimir Atanassov, Pencho Marinov, Vassia Atanassova, *“Inter-Criteria Analysis with Interval-Valued Intuitionistic Fuzzy Evaluations”*

Vassia Atanassova, Lyubka Doukovska, *“Business Dynamism and Innovation Capability in the European Union Member States in 2018 through the Prism of Inter-Criteria Analysis”*

15:20 – 16:00 Coffee Break

16:00 – 21:00 Excursion to Pizzo and Tropea

21:00 – 00:00 Banquet Dinner (Location: Restaurant “La Rada” - Vibo Marina)

Friday 5, July

9:00 – 10:00 Invited Speaker 3: Enrico Franconi, “Querying Databases with Ontologies: 17 Years Later”

Chair: Domenico Saccà

10:00 – 11:00 Session 10: Flexibility in Tools

Chair: Jochen L. Leidner

Mustafa Hajmohammed, Panagiotis Chountas, *“Characterising Concept Drift: Is Ensemble Learning the Solution to the Problem?”*

Lyubka Doukovska, Vassia Atanassova, *“Inter-Criteria Analysis of the Most Problematic Factors for Doing Business in the European Union, 2017–2018”*

Elio Masciari, Domenico Saccà, Irina Trubitsyna, *“An Effective System for User Queries Assistance”*

11:00 – 11:40 Coffee Break

11:40 – 13:00 Session 11: Systems & Miscellanea

Chair: Sotir Sotirov

Stefania Marrara, Amir Topalovic, Marco Viviani, *“Towards Flexible Energy Supply in European Smart Environments”*

Eugenio Vocaturo, Ester Zumpano, Pierangelo Veltri. *“On the Usefulness of Pre-Processing Step in Melanoma Detection using Multiple Instance Learning”*

Daniel Pfeifer, Jochen L. Leidner, *“A Brief Study on Topic Modeling for Feature Selection in Text Classification”*

James Lockett, Sanith Wijesinghe, Jasper Phillips, Walter Hiranpat, Michael Schoenfeld, Phillip Marlow, Ian Gross, Matt Coarr, Justin Zymbaluk, Qian Hu, *“Intelligent Voice Agent and Service (iVAS) for Interactive and Multimodal Question and Answers”*

13:00 – 13:20 Closing Session – Chair: Henrik Legind

13:20 – 15:00 Lunch