Flexible Query Answering Systems GHENT

Ninth International Conference, October 26-28, 2011

Programme Book

Conference Organizers:





Department of Computer Engineering Middle East Technical University, Turkey

Department of Communication, Business and Information Technologies Roskilde University, Denmark







Dear Colleagues, welcome to Ghent!

We are glad to welcome you for the Ninth International 'Flexible Query Answering Systems' Conference in one of the most exciting cities of Flanders and Belgium. We hope that your time here will be nice and pleasant.

Here you can find the detailed programme for the next days and some useful information related to the conference and your stay.

For any further information, do not hesitate to contact the conference registration desk or one of our staff members.

The conference organizers.

FQAS 2011 – Final Programme

Wednesday, October 26th

- 8:00-9:00 Registration
- 9:00-9:20 Welcome by Paul Van Cauwenberge (Rector of Ghent University)

9:20-10:40 Session S01: Logical approaches to flexible querying chair: Jozo Dujmovic

Generalizing Conjunctive Queries for Informative Answers Katsumi Inoue and Lena Wiese ReAction: Personalized Minimal Repair Adaptations for Customer Requests Monika Schubert, Alexander Felfernig and Florian Reinfrank Uncertainty that Counts Dany Maslowski and Jef Wijsen Structured Data-based Q&A System Using Surface Patterns Nicolas Kuchmann-Beauger and Marie-Aude Aufaure

10:40-11:10 Coffee Break

- 11:10-12:00 Plenary talk P01: "Bipolar querying: some cognitive and decision theoretic inspirations" by Janusz Kacprzyk chair: Bernard De Baets
- 12:00-13:00 Session S02: Ranking, ordering and statistics chair: Adnan Yazici

Fuzzy Orderings for Fuzzy Gradual Patterns Malaquias Quintero, Anne Laurent and Pascal Poncelet Spearman's Rank Correlation Coefficient for Vague Preferences Przemysław Grzegorzewski and Paulina Ziembińska Premium Based on Mixture Utility Jana Špirková

13:00-14:30 Lunch

14:30-15:50Session S03: Knowledge-based approaches
chair: Olga Pons

Semantic Processing of Database Textual Attributes using Wikipedia Jesús Roque Campaña, Juan Miguel Medina and Maria-Amparo Vila

Querying Class-Relationship Logic in a Metalogic Framework Jørgen Fischer Nilsson A Semantics-based Approach to Retrieving Biomedical Information Troels Andreasen, Henrik Bulskov, Sine Zambach, Tine Lassen, Bodil Nistrup Madsen, Per Anker Jensen, Hanne Erdmann Thomsen and Jørgen Fischer Nilsson

Knowledge Extraction for Question Titling Carolina Gallardo Pérez and Jesús Cardeñosa

15:50-16:10 Coffee Break

16:10-17:10 Session S04: Multimedia

chair: Murat Koyuncu

Multilingual Video Indexing and Retrieval Employing an Information Extraction Tool for Turkish News Texts: A Case Study

Dilek Küçük and Adnan Yazici

A Search-Engine Concept Based on Multi-Feature Vectors and Spatial Relationship *Tatiana Jaworska*

Exploiting Class-Specific Features in Multi-Feature Dissimilarity Space for Efficient Querying of Images *Turgay Yilmaz, Adnan Yazici and YakupYildirim*

18:00-19:00 Welcome reception in City hall of Ghent

Thursday, October 27th

9:00-10:00 Session S05: Data fuzziness, reliability and trust chair: Troels Andreasen

Generalised Fuzzy Types and Querying. Implementation within the Hibernate Framework Jose Enrique Pons, Ignacio Blanco Medina and Olga Pons Capote Data Reliability Assessment in a Data Warehouse Opened on the Web Sébastien Destercke, Patrice Buche and Brigitte Charnomordic Propagation of Question Waves by Means of Trust in a Social Network Albert Trias Mansilla and Josep Lluis De La Rosa Esteva

10:00-10:30 Coffee Break

- 10:30-11:20 Plenary talk PO2: "Design of Flexible Criteria Using Soft Computing Evaluation Logic" by Jozo Dujmovic chair: Henrik Legind Larsen
- 11:20-12:40 Session S06: Information retrieval chair: Gabriella Pasi

Investigating the Statistical Properties of User-Generated Documents Giacomo Inches, Mark James Carman and Fabio Crestani

Information Retrieval from Turkish Radiology Reports without Medical Knowledge Kerem Hadımlı and Meltem Turhan Yöndem

Discovering and Analyzing Multi-Granular Web Search Results *Gloria Bordogna and Giuseppe Psaila*

Semantically Oriented Sentiment Mining in Location-Based Social Network Spaces Domenico Carlone and Daniel Ortiz-Arroyo

12:40-14:30 Lunch

14:30-15:50 Session S07: Preference queries

chair: Olivier Pivert

Skyline Snippets

Markus Endres and Werner Kießling

Evaluating Top-k Algorithms with Various Sources of Data and User Preferences Alan Eckhardt, Erik Horničák and Peter Vojtáš

Efficient and Effective Query Answering for Trajectory Cuboids *Elio Masciari*

A Model for Analyzing and Visualizing Tabular Data Ekaterina Simonenko, Nicolas Spyratos and Tsuyoshi Sugibuchi

15:50-16:10 Coffee Break

16:10-17:00 Plenary talk P03: "Contextualizing Search: Issues and Challenges" by Gabriella Pasi chair: Janusz Kacprzyk

17:00-18:00 Session S08: Flexible querying of graph data chair: Gloria Bordogna

An Analysis of an Efficient Data Structure for Evaluating Flexible Constraints on XML Documents *Stefania Marrara, Emanuele Panzeri and Gabriella Pasi*

Intuitionistic Fuzzy XML Query Matching Mohammedsharaf Alzebdi, Panagiotis Chountas and Krassimir Atanassov

A Cooperative Answering Approach to Fuzzy Preferences Queries in Service Discovery Katia Abbaci, Fernando Lemos, Allel Hadjali, Grigori Daniela, Ludovic Liétard, Daniel Rocacher and Mokrane Bouzeghoub

19:15-23:00 Banquet at Gravensteen castle

Friday, October 28th

9:00-10:00 Session S09: Fuzzy logic in spatial and temporal data modeling and querying chair: Slawomir Zadrozny

Higher Reasoning with Level-2 Fuzzy Regions Jörg Verstraete Bipolar Fuzzy Querying of Temporal Databases Christophe Billiet, Jose Enrique Pons, Tom Matthé, Guy De Tré and Olga Pons Capote Implementation of X-tree with 3D Spatial Index and Fuzzy Secondary Index Sinan Keskin, Adnan Yazıcı and Halit Oğuztüzün

10:00-10:30 Coffee Break

10:30-11:50 Session SS01: Fuzzy databases and applications 1 chair: Carlos D. Barranco González

On Possibilistic Skyline Queries

Patrick Bosc, Allel Hadjali and Olivier Pivert

A Fuzzy Valid-Time Model for Relational Databases Within the Hibernate Framework *Jose Enrique Pons, Olga Pons Capote and Ignacio Blanco Medina*

On the Use of a Fuzzy Object-Relational Database for Retrieval of X-rays on the Basis of Spine Curvature Pattern Similarities

Sergio Jaime-Castillo, Juan Miguel Medina, Carlos D. Barranco and Antonio Garrido

A Fuzzy-Rule-Based Approach to the Handling of Inferred Fuzzy Predicates in Database Queries *Allel Hadjali and Olivier Pivert*

- 11:50-12:50 **Panel discussion: 'Can we afford flexibility in information systems?'** *chair: Marcin Detyniecki*
- 12:50-14:30 Lunch
- 14:30-15:20 Plenary talk PO4: "Analyzing, structuring and understanding unstructured data as a starting point for flexible database access" by Michaël Brands and Alain Houf (Intersystems) chair: Guy De Tré
- 15:20-16:40Session S10: Query recommendation and interpretation
chair: Henning Christiaensen

Which Should We Try First? Ranking Information Resources through Query Classification *Amihai Motro and Joshua Church*

Context Modelling for Situation-Sensitive Recommendations Stewart Whiting and Joemon Jose Folksonomy Query Suggestion via Users' Search Intent Prediction Chiraz Trabelsi, Bilel Moulahi and Sadok Ben Yahia

Factorizing Three-way Ordinal Data Using Triadic Formal Concepts Radim Belohlavek, Petr Osička and Vilem Vychodil

16:40-17:00 Coffee Break

17:00-18:20Session SS02: Fuzzy databases and applications 2
chair: Juan Miguel Medina Rodríguez

Flexible Content Extraction and Querying for Videos Utku Demir, Murat Koyuncu, Adnan Yazici, Turgay Yilmaz and Mustafa Sert Bipolar SQLf: a Flexible Querying Language for Relational Databases Nouredine Tamani, Ludovic Liétard and Daniel Rocacher On the Behavior of Indexes for Imprecise Numerical Data and Necessity Measured Queries under Skewed Data Sets Carlos D. Barranco, Jesús Roque Campaña, Juan Miguel Medina Fuzzy Domains with Adaptable Semantics in an Object-Relational DBMS José Tomás Cadenas, Nicolás Marín and Maria-Amparo Vila

18:20-... Closing

Instructions for speakers

Every speaker is entitled to speak for 20 minutes, including questions and answers. Due to the very tight schedule, we kindly ask that you respect these time limitations.

The conference lecture room will be equipped with a video beamer (resolution 1024 x 768; standard XGA). A Windows laptop for PowerPoint 2007 and PDF presentations will be provided. We kindly ask you to use the provided equipment instead of your own laptop to avoid technical problems! For all other types of video presentations, an own laptop must be used.

Speakers are requested to confirm their presentation to their session chair and to hand over the final version of their lecture for installation on the laptop to the staff member that will be present in the lecture room, at least 10 minutes before the start of the session or the start of the preceding invited talk in case the session is immediately preceded by an invited talk.

Organization

FQAS 2011 was co-organized by the Department of Communication, Business and Information Technologies at Roskilde University, Denmark, the Department of Telecommunications and Information Processing at Ghent University, Belgium, the Systems Research Institute, Polish Academy of Sciences, Poland, and the Department of Computer Engineering of Middle East Technical University, Turkey.

General and Program Co-chairs

Henning Christiansen, Roskilde University, Denmark
Guy De Tré, Ghent University, Belgium
Adnan Yazici, Middle East Technical University, Turkey
Sławomir Zadrożny, Systems Research Institute, Polish Academy of Sciences, Poland

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Information about social events

Welcome reception at Ghent City Hall

Wednesday 26/10, 18:00 – 19:00 (location 2 in surroundings map)





Conference Dinner at Gravensteen Castle

Thursday 27/10, 19:15 – 23:00 (location 3 in surroundings map)

Wifi

Connection Parameters

Network name: UGentGuest login: guestFqas password: ****** (available on site)

Instructions

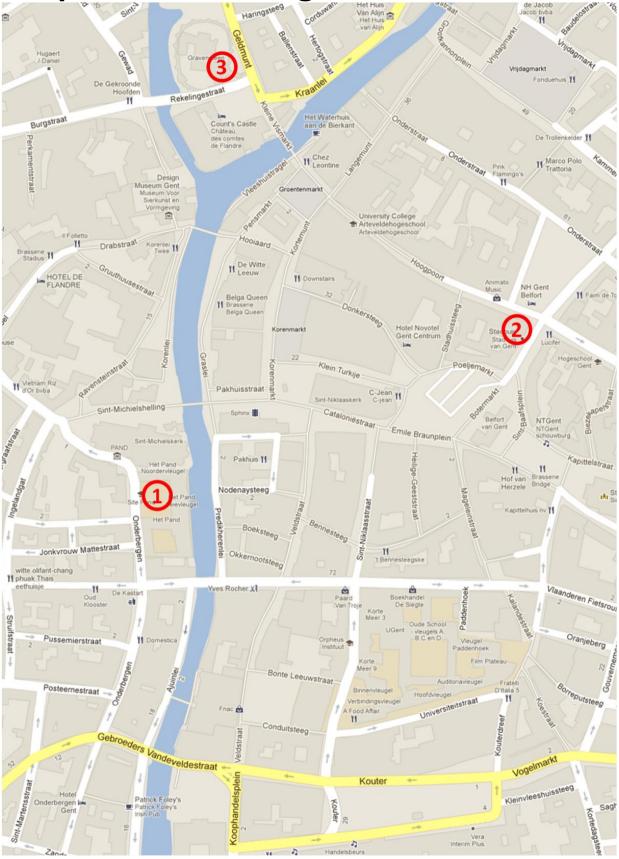
Make a wireless connection with "UGentGuest". If you have set up to request an IP address automatically, you will receive an IP address starting with 193.190.8x.

Now you are connected, but not yet authenticated. You should start a webbrowser and you will be redirected to a logon screen. Enter the username and password as mentioned above.

After correct authentication you can use the Internet connection.

Your connection to this wireless LAN is not encrypted. To protect your personal data, please use encrypted connections like https, imaps, ssh etc. or a VPN client.

Map of surroundings



- 1. Het Pand: conference location (26-28/10)
- 2. City Hall: welcome reception (26/10)
- 3. Gravensteen Castle: conference dinner (27/10)

