Fifth International Workshop on Flexible Database and Information Systems Technology - FlexDBIST 2010

Message from the Organizers

The Fifth International Workshop on Flexible Databases and Information Systems Technology (FlexDBIST 2010) is addressed to the community of researchers working on Flexible Data Management in Databases and Information Systems. It follows the successful editions held in 2006 in Krakow, Poland, in 2007 in Regensburg, Germany, in 2008 in Turin, Italy and in 2009 in Linz, Austria.

The workshop has the ambition of addressing a very interesting and wide-spectrum problem: is it possible to develop technology to build complex information systems that are flexible in the broadest sense? In this context, flexibility can be intended in several ways: flexible querying of data, representation of uncertain knowledge, integration of several data sources (traditional and spatio-temporal data), security, flexible support to day-by-day activities, web search, etc.

The consequence is that researchers working on several, and until today distinct, research areas are called to address this problem in a multidisciplinary way. We think to researcher experts in information retrieval, soft computing, databases, data warehousing, XML data management, security, spatio-temporal data management.

This year, the workshop program contains three sessions. The first is entitled “Web and Annotations”: it is opened by the paper entitled Modeling Web Logs to Enhance the Analysis of Web Usage Data, (by Paul Hernández, Irene Garrigós, Jose-Norberto Mazón). The second paper is entitled Web Pages Classification Using Distributed Learning Automata and Partitioning Graph Algorithm (by Mahdi Bazarganigilani), and finally, the paper Bridging the Gap across Heterogeneous and Semantically Diverse Content of Different Disciplines (by Siarhei Bykau, Nadzeya Kiyavitskaya, Chrisa Tsinaraki, Yannis Velegrakis) completes the session.

The second session is entitled “Flexibility in Databases” and encompasses three papers that presents techniques for dealing with flexibility in databases: Uncertain Geoinformation Representation and Reasoning: A Use Case in LBS Integration (by Roula Karam, Franck Favetta, Robert Laurini, Rima Kilany Chaoun), Basic Causes for the Inconsistency Tolerance of Query Answering and Integrity Checking (by (Hendrik Decker), Remarks on Various Aspects of Bipolarity in Database Querying (by (Slawomir Zadrozny, Guy De Tre, Janusz Kacprzyk).

Finally, the title of Session 3 is “OLAP, XML and XQuery”. It contains three papers: OLAP over Uncertain and Imprecise Data: Fundamental Challenges and Novel Research Perspectives (written by Alfredo Cuzzocrea), Modular Specifications of XML Processing Tasks with Attribute Grammars Defined on Multiple Syntactic Views (by Bryan Temprado-Battad, Antonio Sarasa-Cabezuelo, Jose-Luis Sierra), TriQuery: Modifying XQuery for RDF and Relational Data (by David Bednarek, Jiri Dokulil).

Giuseppe Psaila, Workshop Organizer