



IQIS 2005

Second International Workshop on Information Quality in Information Systems

June 17th 2005, Baltimore, MD, US,
co-located with ACM SIGMOD/PODS 2005

<http://iqis.irisa.fr>

Scope

The problem of poor data quality stored in database-backed information systems is widespread in the governmental, commercial and industrial environments. Alarming situations with various information quality problems can not be ignored anymore and theoretical as well as pragmatic approaches are urgently needed to be proposed and validated. As a consequence, information quality is now becoming one of the hot topics of emerging interest in the academic and industrial communities. Many processes and applications (such as information system integration, information retrieval, and knowledge discovery from databases) require various forms of data preparation or repair with several data processing techniques, because the data input to the application-dedicated algorithms is assumed to conform to nice data distributions, containing no missing, inconsistent or incorrect values. This leaves a large gap between the available "dirty" data and the available machinery to process the data for application purposes.

The second edition of the International Workshop IQIS 2005 (Information Quality in Information Systems) in conjunction with SIGMOD'2005 in Baltimore deals specifically with data and information quality issues. It intends to address methods, techniques of massive data processing and analysis, methodologies, new algorithmic approaches or frameworks for designing data quality metrics in order to understand and to explore data quality, to find data glitches (as data quality problems such as duplicates, errors, outliers, contradictions, inconsistencies, etc.) and to ensure both data and information quality of database-backed information systems. We invite the submission of original research contributions, industrial papers and case studies relating to all aspects of data quality and information quality defined broadly, all along the data life cycle from creation to usage and also through the data preparation, cleaning and analysis processes. The duration of the workshop is one day dedicated to scientific and technical presentations matching the following topics of interests.

Topics

Particular topics of interest for the workshop include but are not limited to:

- Quality-aware query languages and query processing techniques
- Quality-aware integration and information source fusion
- Metrics for information quality, human-centred information quality metrics, Quality Metrics for data mining results, measure of interestingness
- Detection of contradictory data, outliers, duplicates, inconsistencies, noise
- Mining for Patterns of non- or poor quality data
- Automatic Record Matching, Object Identification, Record Linkage
- Data Cleaning Techniques : data transformations, data reconciliation, data consolidation, Error Correction
- Cleaning of web pages, web links, duplicates on the web
- Intelligent Data Preparation
- Models and frameworks for Information Quality and Trust
- Information Quality Assessment, Methodologies for information quality measurement and improvement
- Application-driven Information Quality: Bioinformatics, Marketing, CRM, e-Business, Geomedia, Geographical or Scientific Applications.
- Data type-dependent Information Quality: Web, documents, multimedia, XML data
- Economic aspects of information quality

Workshop Co-Chairs

Laure Berti-Équille, IRISA-CNRS Rennes, France
Carlo Batini, University of Milano 'Bicocca', Italy
Divesh Srivastava, AT&T Labs -Research

Program Committee

Boualem Benattallah, Queensland University of Technology, Australia
Mokrane Bouzeghoub, Université de Versailles, France
Tiziana Catarci, Università di Roma "La Sapienza", Italy
Johann-Christoph Freytag, Humboldt-Universität zu Berlin, Germany
Helena Galhardas, INESC – Lisboa, Portugal
Michael Gertz, University of California
Ahmed K. Elmagarmid, Purdue University, Indiana
Markus Helfert, Dublin City University, Ireland
Matthias Jarke, RWTH Aachen, Germany
Theodore Johnson, AT&T Labs-Research
Vipul Kashyap, National Center for Biotechnology Information
Yang Lee, Northeastern University
Bing Liu, University of Illinois at Chicago
Paolo Missier, University of Manchester, United Kingdom
Tamer Ozsu, University of Waterloo
Ronald Pearson, ProSanos Corporation
Leo Pipino, University of Massachusetts Lowell
Mario Piattini, University of Castilla – La Mancha, Spain
Louiqa Rashid, University of Maryland
Tamraparni Dasu, AT&T Labs-Research
Panos Vassiliadis, University of Ioannina, Greece
Richard Wang, M.I.T., Boston

Paper Formatting Instructions

All papers must be original, and have not been published elsewhere. Papers should be in English, no longer than 12 pages for full academic papers and 6 pages for short papers inclusive of all references and figures, formatted for A4 paper, following the ACM SIGMOD proceedings formats. Proceedings templates are available in Word, WordPerfect, and LaTeX (v. 2.09 and 2e). These templates are located at: <http://www.acm.org/sigs/pubs/proceed/template.html>. For the LaTeX formats, you may use either the standard style or the SIG-alternate style, which is more efficient. Please submit the PDF or PS version of your manuscript with IQIS submission procedure at <http://iqis.irisa.fr> or send it to iqis2005@irisa.fr

Important Dates

New Submission Deadline:	April 8th, 2005
Acceptance Notification:	May 1st, 2005
Camera-ready Copies:	May 16th, 2005
Workshop Date:	June 17th, 2005

Some additional information will be available at the Web site: <http://iqis.irisa.fr>