

# **ACM Journal of Data and Information Quality** <sup>NEW</sup>

Saturday November 11th, 12:30 am ET

CAMBRIDGE, Massachusetts, USA – The Publications Board of the Association of Computing Machinery (ACM) has officially approved the proposal, which grew out efforts initiated by the MIT Information Quality Program (<http://MITIQ.MIT.EDU>) and the International Conference on Information Quality (<http://www.IQConference.org>), to launch a new **ACM Journal of Data and Information Quality**. Drs. Yang Lee ([y.lee@neu.edu](mailto:y.lee@neu.edu)) and Stuart Madnick ([smadnick@mit.edu](mailto:smadnick@mit.edu)) are the Editors-in-Chief of the ACM-JDIQ and will be working with ACM to work out the details. The ACM JDIQ welcomes research contributions on the following areas, but not limited to:

- Information Quality in the Enterprise Context, including
  - The impact and role of information quality on business, work process and strategy
  - The impact and role on a firm's overall operational or economic performance, cost and benefits, IT management, human resource management
  - Impact on knowledge management, customer management, supply-chain management, and extended-enterprise management.
- Database related technical solutions for information quality, including
  - New types of database systems that manage data, uncertainty (approximate, probabilistic, inexact, incomplete, imprecise, fuzzy, inaccurate, data)
  - Data lineage and provenance
  - Data cleaning
  - Entity management and entity resolution
  - Enterprise architecture deployment
  - Data Integration Processes
- Information Quality in the Context of Computer Science and Information Technology
  - New ways of understanding, modeling, improving and incorporating information quality
  - Technical solutions of information systems
  - Technical layers of networks and communications
  - Data Privacy and Protection mechanisms
- Information Curation, including
  - Standards and policies for ensuring information integrity for future generations

JDIQ plans to accept research conducted using various types of methods ranging from positivists to interpretive methods, systems building descriptions, and database theory, including statistical analysis, mathematical modeling, quasi experimental method, hermeneutics, action research, and case study. JDIQ will accept diverse research methods that are customary in different research backgrounds and traditions, both quantitative and qualitative.

Research papers need to demonstrate the use of a rigorous method or methods. Research papers also need to provide valuable and relevant implications for applying their findings and solutions in practice.

JDIQ plans to publish high quality articles that make a significant novel contribution to the field of data and information quality. JDIQ will be a peer reviewed journal employing double blind review mechanism. JDIQ will be a print publication and will aim for the same online capabilities as that of other ACM journals. Full papers in JDIQ will be research papers, in addition there are plans to include one or two short concise papers in each issue. It is expected that the journal will be published quarterly.

## **AUTHORS**

Authors for JDIQ submissions are invited from the entire data and information quality community, which spans multiple industries as well as the Computer Science, Information Systems, Operations

Research, Bioinformatics, Healthcare, Management, and other disciplines. ACM members are certainly one pool from which authors will come. However, the information quality community is bigger than ACM. The number of conferences, websites, and books either devoted to information quality or with close ties to data quality issues is growing, attesting to the vitality, size, and interest in this area.

Sample articles published in other journals during the past ten years can be found at <http://web.mit.edu/smadnick/www/JDIQ/Sample%20Articles.htm>

## TIMETABLE

- Advertising and Call for Papers – Spring 2007
- First Issue Appears – 2008

## SUBSCRIPTION

The pricing structure for subscription will be consistent with other ACM journals. We expect an annual subscription fee of around US\$50 for ACM Members.

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