

Keyword Search on Structured Data

Special Issue of IEEE Transactions on Knowledge and Data Engineering

Guest Editors: Surajit Chaudhuri, Yi Chen, Jeffrey Xu Yu

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Web search engines have popularized the keyword search queries for text documents. With increasing number of consumers facing structured data stores, it is now also important to support keyword search queries efficiently over such data stores. Just as keyword search is popular over not only on web documents but also on the intranet of the enterprises, keyword search over databases is also important for structured data collections on the intranet and indeed on individual databases. However, due to the inherent ambiguity of keyword search queries and the richness of semantics attached to structured data, data, providing intelligent search results efficiently is extremely challenging. This special issue of TKDE on “Keyword Search on Structured Data” calls for original articles that propose innovative approaches to address this challenging task.

Topics

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Original contributions, not currently under review or accepted by another journal, are solicited in areas including (but not limited to):

- Keyword search on relational databases
- Keyword search on XML data
- Keyword search on extracted data from text documents
- Keyword search on data streams and continuous monitoring systems
- Enterprise search architectures
- Ranking schemes for structured data
- Query processing for keyword queries
- Result presentation for keyword search
- Query cleaning
- Evaluation of result quality for keyword search

Submission Guidelines

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Prospective authors should prepare manuscripts according to the Information for Authors as published in recent issues of the journal or at <http://www.computer.org/tkde/>. Mandatory over-length page charges will apply. Manuscripts should be submitted through the online IEEE manuscript submission system at <https://mc.manuscriptcentral.com/cs-ieee>.

Schedule

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Deadline for paper submission: April 30, 2010
Completion of first review: July 31, 2010

Minor/Major revision due: Sept 30, 2010
Final decision notification: Nov 15, 2010
Publication materials due: Dec 5, 2010
Publication date (tentative): May, 2011

Guest Editors

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