

Special Issue

Information and Data Management for NoSQL Databases

Message from the Guest Editors

NoSQL (Not only SQL) databases are becoming more and more adopted in many application contexts. They can be considered as the natural evolution of classical relational databases towards managing semi-structured data represented by means of complex data formats in a structured and robust way. Typical formats are XML, JSON and graph data, for which different sub-types of NoSQL DBMS are now available. Many issues around information and data management are present in NoSQL databases. They could be divided into two main groups: (1) the robust management of stored data and (2) querying and retrieving data. The 1st group of issues concerns data integrity, transactional models and constraints on data structures; the 2nd group of issues concerns the capability of easily querying and retrieving data in a simple and/or flexible way. Furthermore, imprecision, uncertainty and vagueness could also be considered. The Special Issue welcomes papers that cover any issue concerning information and data management in NoSQL databases, so as to assess (either explicitly or implicitly) the current state of the art of this crucial topic for research on data management.

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Information is an online open access journal of information science and technology, data, knowledge and communication. It publishes reviews, regular research papers and short communications. We invite high quality work, and our review and publication processing is very efficient.

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