Ontology-Based Data Management

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Message from the Guest Editors

Dear Colleagues,

The ability to effectively collect, integrate, manage, and share data, in order to turn them into useful information, is widely recognized as one of the most important strategies for making modern organizations competitive in today's information society. Ontology-Based Data Management (OBDM) is a recently-proposed paradigm that tackles the abovementioned problem by relying on the use of semantic technologies. In particular, OBDM systems resort to a three-level architecture, constituted by the ontology, the sources, and the mapping between the two, where the ontology is a conceptual representation of the domain of interest in the underlying information system.

This Special Issue aims to assemble novel results on the OBDM paradigm and its application to real-word scenarios. We solicit original submissions of both papers presenting foundational works on OBDM and papers that report and evaluate experimentations where the OBDM paradigm is followed.

Special Issue

Editor-in-Chief

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Message from the Editor-in-Chief

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