Journal on Data Semantics

Concepts and Ideas for Building Knowledgeable Systems

Editor-in-Chief: E. Zimányi

► **Addresses all issues related to meaningful data modeling and data exchange between heterogeneous and distributed data repositories**
► **Presents topics ranging from theories supporting the formal definition of semantic content to innovative domain-specific applications of semantic knowledge**
► **Focuses on theoretical, methodological, and empirical results from academic and industrial research and case studies**
► **Includes original material in the form of research papers, survey articles, industrial experience papers, position papers, and short communications**

With the Web serving as a huge worldwide data repository, issues related to data semantics (familiar to database modelers since the 1970s) have again become of paramount importance. As Web data comes from heterogeneous, possibly unknown and mostly uncontrolled sources, it is anything but obvious how the information beyond the most basic factual data can be correctly understood. The same concern applies to data that is exchanged between systems that need to agree on its meaning in order to avoid dangerous misunderstandings. Semantic elicitation and the availability of appropriate semantic metadata are the key to the meaningful use of information in modern distributed environments.

The *Journal on Data Semantics* (JoDS) provides an international high-quality publication venue for researchers whose themes cover issues related to information semantics. Its target domain ranges from theories supporting the formal definition of semantic content to innovative domain-specific applications of semantic knowledge, thus covering work done on conceptual modeling, databases, Semantic Web, information systems, workflow and process modeling, ontologies, business intelligence, interoperability, mobile information services, data warehousing, knowledge representation and reasoning, and artificial intelligence.

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