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The LNCS Journal on Data Semantics

The journal aims to provide a highly visible dissemination channel for remarkable work that in one way or another addresses research and development on issues related to data semantics. The target domain ranges from theories supporting the formal definition of semantic content to innovative domain-specific applications of semantic knowledge. We expect such a publication channel to be of the highest interest to researchers and advanced practitioners working on the Semantic Web, interoperability, mobile information services, data warehousing, knowledge representation and reasoning, conceptual database modeling, ontologies, and artificial intelligence.

Topics of relevance to this journal include:

- Semantic interoperability, semantic mediators
- Ontologies
- Ontology, schema and data integration, reconciliation and alignment
- Multiple representations, alternative representations
- Knowledge representation and reasoning
- Conceptualization and representation
- Multimodel and multiparadigm approaches
- Mappings, transformations, reverse engineering
- Metadata
- Conceptual data modeling
- Integrity description and handling
- Evolution and change
- Web semantics and semistructured data
- Semantic caching
- Data warehousing and semantic data mining
- Spatial, temporal, multimedia and multimodal semantics
- Semantics in data visualization
- Semantic services for mobile users
- Supporting tools
- Applications of semantic-driven approaches

These topics are to be understood as specifically related to semantic issues. Contributions dealing with the semantics of data may be considered even if they are not covered by the topics in the list.

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JoDS Volume XIV

This volume of JoDS consists of five papers, selected on the basis of two rounds of reviews from an initial set of 21 full papers, following the submission of 37 abstracts. The papers were received in response to a call for contributions issued in September 2008. We thank the authors for all their work and for their interest in JoDS. We thank the Editorial Board and the reviewers for their detailed and insightful reviews.

This is the first volume of JoDS for which I have served as Editor. I gratefully acknowledge the cooperation of the Editorial Board and the untiring assistance from Professor Stefano Spaccapietra, Editor-in-Chief of JoDS, as I worked through this process.

Lois Delcambre
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