



Journal on Data Semantics

Concepts and Ideas for Building
Knowledge Systems

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Call for Papers

We are pleased to announce the launch of this new Springer quarterly journal, which is planned to start publication in the first quarter of 2012.

The Journal on Data Semantics continues, now as a regular journal, the efforts of the previous LNCS version of the journal (<http://lbd.epfl.ch/Springer/>) to provide an international, high-quality publication venue for researchers whose themes cover semantic aspects in information management. JoDS has published 15 LNCS volumes since 2003. The new version of the journal will better serve the community by publishing more material on a regular schedule. Moreover, while the previous version of JoDS solely hosted research papers, the new version will broaden its coverage by including other types of contributions such as survey papers, industry papers, short papers, position papers, and reports.

JoDS aims to provide a highly visible dissemination channel for high-quality work that addresses research and development on issues related to information semantics, i.e. issues where meaning influences the way information is managed. 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 greatest interest to researchers and advanced practitioners working on conceptual modeling, databases, the semantic web, information systems, workflow and process modeling, ontologies, business intelligence, interoperability, mobility and mobile information services, data warehousing, knowledge representation and reasoning, and artificial intelligence.

Topics of relevance to this journal include (but are not limited to):

- Conceptual modeling, knowledge representation and reasoning
- Context and context-dependent knowledge representation and processing
- Data, process, workflow, and event modeling
- Integrity description and handling

- Mappings, transformations, reverse engineering and semantic elicitation
- Model-driven approaches
- Ontology theories and languages, ontology-driven applications
- Ontology, schema, data and process integration, reconciliation and alignment
- Provenance, evolution and change management
- Semantic interoperability, semantic mediators, metadata management
- Semantic mobility data and services for mobile users
- Semantics in data mining and knowledge extraction
- Semantics applied to scientific data and workflow management
- Semantics applied to enterprise architecture and enterprise ontologies
- Semantics in business intelligence, analytics and data visualization
- Spatial, temporal, multimedia and multimodal semantics
- Supporting tools and applications of semantic-driven approaches
- Web and social media analytics
- Web semantics and semi-structured data

We are happy to solicit your contribution for the inaugural issue of the Journal of Data Semantics, to be published in the first quarter of 2012.

We are looking for high-quality papers on any topic relevant to the journal, including regular papers, survey papers, industry papers, short papers, position papers, and reports. Submissions should contain original material that has not been submitted or published elsewhere. The submission should include an abstract and keywords, authors, and specify which author serves as contact author. All submissions will be carefully reviewed by at least three experts.

Submissions have to be formatted according to the journal's guidelines at

<http://www.springer.com/13740>

and have to be uploaded into Springer's Electronic Management System at

<https://www.editorialmanager.com/jods>

Any questions should be addressed to the Editor-in-Chief: Prof. Esteban Zimányi, at ezimanyi@ulb.ac.be