



Special Issue Call For Papers Information Systems Frontiers, Springer

<http://www.som.buffalo.edu/isinterface/ISFrontiers/>
<http://www.springerlink.com/content/1387-3326>

Special Issue on “Semantic Information Integration”

Barely more than ten years after the birth of the World Wide Web, the Global Information Infrastructure is daily reality. In spite of the many applications in all domains of our societies: e-business, e-commerce, e-learning, e-science, and e-government, for instance, and in spite of the tremendous advances by engineers and scientists, the seamless integration of information and services remains a major challenge. The current shared vision for the future is one of semantically rich information and service oriented architecture for global information systems. This vision is at the convergence of progress in technologies such as XML, Web services, RDF, OWL, of multimedia, multimodal, and multilingual information retrieval, and of distributed, mobile and ubiquitous computing.

The papers will be peer reviewed and will be selected on the basis of their quality and relevance to the theme of this special issue. Authors whose papers have been accepted and presented at the 12th International Conference on Information Integration and Web-based Applications & Services (iiWAS2010), <http://www.iivas.org/conferences/iivas2010/> are invited to submit their extended and revised papers to this special issue. The submitted paper must have at least 30% difference from the conference paper. In addition to the iiWAS2010 extended papers, the special issue would also consider for publication the submissions that are original and are not submitted, in any form, to any other forum.

Papers on practical as well as on theoretical topics are invited. Topics include (but are not limited to):

- XML data and schema integration
- XML data models, query processing and data management
- XML data privacy and security
- Web databases and warehousing
- Web data mining, exploration, and visualization
- Document Engineering and Integration
- Web Data Markup Languages, tools and methodologies for representing and managing Semantic Web data
- Web Semantics content creation, annotation, and extraction
- Web Semantics brokering, integration and interoperability
- Web Semantics search, query, and visualization
- Web Semantics middleware and services
- Web Semantics provenance, trust & security
- Ontology creation, searching, extraction, and evolution
- Ontology mapping, merging, and alignment

Important Dates:

- iiWAS2010 conference dates: 8-10 November 2010
- Extended submission due date: 31 January 2011
- First notification date: 30 April 2011
- Revised paper due date: 31 May 2011
- Final decision notification, subject to review requirements: September 2011
- Estimated publication date: 2012

Submission Procedures:

- List of candidate papers for the special issue will be announced during the closing ceremony at iiWAS2010 conference.
- Selected papers must be extended at least 30%, so that it will infringe the copyright law. The extended papers must also give an appropriate citation to relevant papers previously published in the Information Systems Frontiers journal.
- Papers must be submitted to the contact guest editor at David.Taniar@infotech.monash.edu.au
- Submitted papers to this special issue will be reviewed by the iiWAS2010 PC committee members and additional independent reviewers
- The review process will be conducted in two phases. Only papers non-rejected at the end of the first phase will be asked to revise for submission into the second reviewing process.

Guest Editors:

- Ismail Khalil
iiWAS2010 Steering Committee Chair,
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