



## International Journal on Digital Libraries

### Call for Papers

#### Special Issue on Semantic Digital Archives

Archival Information Systems (AIS) are becoming increasingly important. For decades, the amount of content created digitally is growing and its complete life cycle nowadays tends to remain digital. A selection of this content is expected to be of value for the future and can thus be considered being part of our cultural heritage. As soon as these digital publications become obsolete, but are still deemed to be of value in the future, they have to be transferred smoothly into appropriate AIS where they need to be kept accessible even through changing technologies.

This focused issue arises from issues covered by the SDA workshop series (<http://sda2013.dke-research.de/>) and invites submissions from all researchers. The workshop series has shown that both the library and the archiving community have made valuable contributions to the management of huge amounts of knowledge and data. However, both are approaching this topic from different views which shall be brought together to cross-fertilize each other. The Semantic Web is another research area that provides promising technical solutions for knowledge representation and management. At the forefront of making the semantic web a mature and applicable reality is the linked data initiative, which already has started to be adopted by the library community. Semantic representations of contextual knowledge about cultural heritage objects will enhance organization and access of data and knowledge. In order to achieve a comprehensive investigation, the information seeking and document triage behaviors of users (an area also classified under the field of Human Computer Interaction) are also important to provide a comprehensive investigation of the research topic.

This special issue will solicit high quality papers that demonstrate exceptional achievements on Semantic Digital Archives, including but not limited to:

- Archival Information systems (AIS) and Archival Information Infrastructures (AII) in general
- Architectures and Frameworks for AIS and AII
- Contextualization of digital archives, museums and digital libraries
- Ontologies & linked data for AIS, AII, museums and digital libraries
- Logical theories for digital archives & digital preservation
- Knowledge evolution
- Semantic temporal analytics
- (Semantic) provenance models
- CIDOC CRM and extensions
- Semantic long-term storage & hardware organization for AIS & AII & digital libraries
- Semantic extensions of emulation/virtualization methodologies tailored for AIS & AII & digital libraries
- Implementations & evaluations of (semantic) AIS, AII, semantic digital museums & semantic digital libraries
- Preservation of scientific and research data
- Preservation of work flow processes

- Appraisal and selection of content
- Semantic search & information retrieval in digital archives, digital museums and digital libraries
- User studies focusing on end-user needs and information seeking behavior of end-users
- User interfaces for (semantic) AIS, All, digital museums & semantic digital libraries
- formalizations for changes in (designated) user communities
- Semantic multimedia AIS, All, multimedia museums & multimedia libraries
- Web Archives
- Specialized AIS & All for specific services like Twitter, etc.
- (Semantic) Preservation Processes and Protocols
- Semantic (Web) services implementing AIS & All
- Information integration/semantic ingest (e.g. from digital libraries)
- Trust for ingest & data security/integrity check for long-term storage of archival records
- Migration strategies based on Semantic Web technologies
- Legal issues

### ***Submission Details***

#### **Important Dates**

Paper Submission deadline:	December 31, 2013 (deadline extended)
First notification:	March 31, 2014
Revision submission:	May 31, 2014
Second notification:	July 31, 2014
Final version submission:	September 1, 2014

#### **Guest Editors**

Thomas Risse, University of Hannover & L3S Research Center, Germany (contact person)

Livia Predoiu, University of Oxford, UK

Annett Mitschick, University of Dresden, Germany

Andreas Nürnberger, University of Magdeburg, Germany

Seamus Ross, University of Toronto, Canada

#### **Paper Submission**

Papers submitted to this special issue for possible publication must be original and must not be under consideration for publication in any other journal or conference. Previously published or accepted conference papers must contain at least 30% new material to be considered for the special issue. All papers are to be submitted by referring to <http://www.springer.com/799>. At the beginning of the submission, under "Article Type", please select the appropriate special issue. All manuscripts must be prepared according to the journal publication guidelines which can also be found on the website provided above. Papers will be reviewed following the journal standard review process.

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