

I Workshop Doing Intelligent Journals and Catalogs DIJAC'09

Aims & Scope

Generally Journals and Catalogs contain passive information, their articles and databases are fixed works of determined content and database schemas. Intelligent journals could be different, because the information they present is only partly composed by the authors. An intelligent journal would construct dynamically their contents and would improve through interactions with its readers. An intelligent journal would understand the principles and strategies of the subject matter, and would use those to answer questions and to propose new problems and challenges. The same ideas may be applied to electronic catalogs. Metadata that describe the catalog content is predetermined and static.

Also, intelligent journals and catalogs could show the results of technological watching and competitive intelligence about subject matters and their authors, such as social networks of authors or readers, lexical networks of the subjects, trends of subject matter, reader preferences, domain challenges or problem identification, generation of creativity proposals for solving problems and for improving techniques, etc... It would need Artificial Intelligence techniques to transform the Internet from a searchable catalog to a personal guide that can reason in a human-like fashion and provide users with more services and options for social networks.

Finally, a lot of previous aspects is necessary visualize them in an easy way to do them comprehensible for readers. AI techniques could help to it.

The following topics are considered relevant in this Workshop, but are not limited to:

- Recommender systems for intelligent journals
- Intelligence to improve the visualization of data related to intelligent journals
- Technological Watching and Competitive intelligence for intelligent journals
- Knowledge based techniques or tools for intelligent journals
- Machine learning (text mining) and methodologies for intelligent journals
- Applications of IA technologies for intelligent journals
- Collective intelligence for intelligent journals
- Use of Ontologies and Semantic Web technologies (Web 3.0) such as RDF, OWL, SWRL, SPARQL, GRDDL or semantic application platforms for the conceptualization of journal and catalog contents.
- Reverse engineering of ontologies to address the problems of the Semantic Deep Web for accessing rich, structured back-end data.

How to participate

You are invited to submit a position paper, research paper, or experience report as a PDF file of no more than 10 pages and should be formatted according to the Springer LNAI guidelines. Papers can be written in Spanish or English.

The articles must research about the general system infrastructure required to write, use and present intelligent journals with specific case studies. The review procedure will be organized for all submissions to this Challenge based on the following criteria:

1. Quality and originality in theory and methodology related with intelligent journals
2. Software tool and real-world application oriented exhibiting originality with reasonable theory involved

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Submissions can be written in either Spanish or English and should be sent to gasca@us.es. They will be reviewed by at least 2 PC members.

DIJAC'09 organizers will make with the selected papers a proceedings available on a memory stick. However, we are interested in a lively debate. If you are attending CAEPIA 2009 but did not submit a paper, you are also invited to join the workshop.

Agenda

The first part of the workshop will consist of paper presentations. The second part will be used for workgroup discussion sessions. A detailed agenda will be posted to <http://www.lsi.us.es/caepia2009/dijac09>

Important dates

- Submission deadline: July 10 (abstract), July 31 (paper)
- Notification of acceptance: September 28
- Camera-ready: October 14
- Workshop date: November 9-13

More Information

All information about this challenge is published in the web page <http://www.lsi.us.es/caepia2009/dijac09>. Also, you can ask for any information via e-mail to gasca@us.es

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