



Call for Submissions for the J.UCS special issue on

“Context-aware Recommender Systems”

Guest Editors

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A forthcoming issue of *Journal of Universal Computer Sciences* will be devoted to the presentation of key challenges and possible solutions towards context-aware recommender systems.

Aim and scope

The development and proliferation of Web 2.0 technologies has impacted the way users retrieve and use information and the way they interact with each other. Web-based communities, wikis, blogs and social networking sites are some of the applications that have emerged in recent years. An important feature of Web 2.0 applications is that they experience an exponential growth of both users and content, leading to potentially viral social networking, collaboration, communication and knowledge sharing opportunities.

With the explosion of content and applications on the Web, recommender systems have become crucial to assist users in finding relevant content as well as tools. Much of the research done in this area focuses on recommendation through collaborative filtering, content-based approaches or a combination of both.

The goal of this special issue is to explore methodologies, technologies and systems that exploit contextual information regarding the user to enable innovative and context-aware recommendation. From this perspective, new challenges emerge for understanding and capturing the context of the user and exploiting such information for generating recommendations adapted to the user context.

Authors whose papers have been accepted and presented at Context-aware Recommendation workshop at the Second Alpine Rendez-Vous (<http://www.cs.kuleuven.be/~katrien/arv/>) are invited to submit their extended (at least 30% new content) and revised papers to this special issue. In addition, the editors also solicit the submission of other innovative, previously unpublished research work relevant for this special issue.

Topics of interest include:

- discovery and modeling of context information;
- context-aware recommendation methodologies, technologies and systems;
- context-aware adaptation;
- context-aware data management and processing;
- identification and evolution of semantic structures underlying the behavior of users;
- semi-automatic identification of user profile data and their interconnectivity;

- reputation and trust management;
- online communities and social networking;
- privacy preservation;
- evaluation methodologies and metrics.

Submissions

Manuscripts must be formatted according to the J.UCS guidelines and should not exceed 20 pages in length. Manuscripts should be submitted by email to: katrien.verbert@cs.kuleuven.be

Guidelines are available at: <http://www.jucs.org/ujs/jucs/info/submissions>

Important dates

March 31, 2010	Submission deadline
April 30, 2010	Notification of accepted papers
May 31, 2010	Revision of accepted papers
Autumn 2010	Publication