ISDA'09

9th International Conference on Intelligent Systems Design and Applications

November 30 - December 2, 2009, PISA, ITALY

Call for Papers: Special Session on

Computational Intelligence for Personalization in Web Content and Service Delivery

Scope of the session

Today, the explosion of multimedia content and available services prompts the need for more effective Web systems, that allow users to retrieve the right information and/or service at the right time in the right way. Personalized retrieval is a promising research direction devoted to enhance information retrieval and service customization by exploiting explicit user requests combined with implicit user preferences. User preferences are complex, heterogeneous, changing, and even contradictory. Moreover, information retrieval process is characterized by vagueness of queries and approximation in the comparison between the query content and the information in the database. Computational Intelligence (CI) provides valid tools to cope with the complexity in the mechanisms underlying Web content and service delivery personalization. Indeed, CI encloses different computing paradigms that work synergistically to exploit the tolerance for imprecision, uncertainty, approximate reasoning, and partial truth in order to provide flexible information processing capabilities and low-cost solutions. Due to these characteristics, CI techniques are suitable to deal with the imprecision and vagueness inherent a personalized information retrieval system. Recently, many researchers have addressed their interest towards the benefits of CI for personalization in Web information retrieval systems. This represents a promising direction to improve the effectiveness of such systems and to make them adaptive and more flexible.

Topics

We invite prospective authors to submit papers that propose the use of CI techniques to advance the technology in the field of Web personalization, with special focus on information retrieval and service delivery. Original contributions are solicited (but are not limited to) in the following topics:

- User behaviour modelling
- Context-Aware Browsing
- Automated techniques for user profiling
- Web mining for personalization
- Data models for Web usage, content and structure data
- Collaborative and content based filtering
- Clustering in personalization systems
- Hybrid personalization systems

- Adaptive user interfaces and personalization techniques
- Personalized search
- Context-aware Search
- Service delivery personalization
- Intelligent Context-Aware Services Delivery
- Explanation and justification in personalization systems
- Modelling decision making in personalization systems
- Measuring personalization effectiveness

Instructions for Authors

Submitted papers should follow the IEEE paper format (template). All papers must be submitted electronically in PDF format only using EasyChair associated site of ISDA'09 Conference. All instructions for submission can be found in the Conference Web site.

Publication

All accepted papers will be published in the proceedings of ISDA'09 that will be also included in the IEEEXplore digital library.
Extended versions of selected papers will be considered for publication in the following list of Journals:

- Applied Soft Computing, Elsevier
- Soft Computing, Springer
- Evolutionary Intelligence, Springer
- International Journal of Hybrid Intelligent Systems, IOS Press
- International Journal of Uncertainty, Fuzziness and Knowledge-Based Systems, World Scientific
- International Journal of Computational Intelligence and Applications, World Scientific
- Neural Network World, Academy of Science, Czech Republic

Important Dates

- Submission of papers: **May 31, 2009**
- Notification of acceptance: **July 25, 2009**
- Camera-ready manuscript submission: **September 15, 2009**

Contact Details

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