



AMR 2004

2nd International Workshop on Adaptive Multimedia Retrieval

Part of ECAI 2004

22-27 August 2004

Universidad Politécnica de Valencia, Spain

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So far, several approaches have been developed that tackle specific problems of the retrieval process, e.g. feature extraction methods for multimedia data, query languages, problem specific similarity measures and interactive user interfaces. However, in most cases the user still needs several steps in order to find the searched objects. The main reasons for this are on the one hand, the users' difficulty in specifying their interests in the form of a well defined query (which is partially caused by inappropriate user interfaces), on the other hand, the problem of extracting relevant features from the multimedia objects. Furthermore, user specific interests and the search context are usually neglected when objects are retrieved.

To improve today's retrieval tools and thus the overall satisfaction of a user, it is necessary to develop intelligent methods that are able to support the user in the search process, e.g. by providing additional user adapted information about the search results as well as the data collection itself and especially by adapting the retrieval tool to the user's needs and interests.

The goals of the workshop are to intensify the exchange of ideas between different research communities, to provide an overview of current activities in this area and to point out connections between the diverse involved research communities and research in AI.

Topics of interest:

The workshop focuses especially on researchers that are working on feature extraction techniques for multimedia, computer linguistic approaches, (dynamic) data analysis methods, and visualization methods as well as user interface design. Therefore, contributions to the workshop should focus on, but are not limited to:

- Multimedia retrieval systems (for text, image, audio, video and mixed-media)
- Theoretical foundations of multimedia retrieval and mining
- Intelligent multimedia data modeling, indexing and structure extraction
- Adaptive Hypermedia and web based systems
- Metadata for multimedia retrieval
- Multimedia and multi-modal mining
- Semantic content analysis for multimedia
- Semantic web and ontologies
- Adaptive query languages
- Similarity measures (especially user adaptive measures)
- User and preference modeling (including feedback models)
- Methods for adaptive data visualization and user interfaces

Submissions:

Submissions should be formatted according to Springer LNCS style (for details see the Springer LNCS web-pages at <http://www.springeronline.com>). Papers should have about 10 pages but should not exceed 15 pages and should be submitted electronically in PDF or postscript format to amr2004@iws.cs.uni-magdeburg.de. Accepted papers will be published in the workshop proceedings.

Important Dates:

March 21, 2004:	Deadline for paper submission
May 2, 2004:	Notification of acceptance/rejection
May 30, 2004:	Deadline for submission of final papers

Venue

The workshop will take place during the 16th European Conference on Artificial Intelligence (ECAI 2004) in Valencia, Spain. Information about the venue, hotels, etc. are provided on the web pages of the main conference (<http://www.dsic.upv.es/ecai2004/>).

Registration

Participation at the workshop requires registration for ECAI 2004. See the conference web site for details (<http://www.dsic.upv.es/ecai2004/>).

Further Information: <http://adiret.cs.uni-magdeburg.de/amr2004/>

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