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Journal of Multimedia (JMM, ISSN 1796-2048)

Special Issue on Multimodal Information Retrieval

Nowadays popularity of multimedia demands efficient and intelligent strategies in order to cope with the large amount of multimedia data. Recent efforts in the area of Multimedia Retrieval Systems (MMRS) have led to a growing research community and a number of International, national and industrial projects.

Besides concentrating on single media retrieval systems (e.g., only images are considered), latest technologies target on multimodal retrieval engines. This development explicitly forms the mainstream trend as queries such as “*Show me the movie and related material for the given score available by melody and text snippets*” (maybe by humming) or “*Give me all media (text, image, video, audio) containing information about the city Paris*” come into vogue. In order to support those challenging requests, research needs to work on a.) new (ontology-based) semantic models for combining individual media models, b.) new retrieval engines considering crossing the media boundary during search, c.) new interfaces coping the input and presentation of various media data. For instance, similarity metrics need to be developed/modified which encompasses the media boundary, with the aim to discover useful relationships among multimodal multimedia documents and to find a better way through out the vast amount of media information.

For this purpose, theories and techniques concerning multimodal information retrieval systems focusing on new approaches for indexing, representing, organizing, clustering, querying and feature extraction of multimodal data need to be investigated and evaluated. Therefore, the aim of this special issue is to provide a deeper look on current research in the area of Multimodal Multimedia Retrieval including both, theory and application oriented papers.

Topics of interest include, but are not limited to:

- Multimodal query languages
- Multimodal content-based browsing, indexing and retrieval of images, video and audio
- Cross-media clustering, indexing and retrieval
- Multimedia analysis for advanced multimodal applications
- Multimodal content summarization, visualization and personalization strategies
- Distributed heterogeneous multimedia systems and shared applications
- Semantics modelling of cross media collections
- Multimodal search engines and interfaces
- Relevance feedback in multimodal retrieval systems.
- Evaluation of multimodal retrieval systems
- Cross media modelling concerning low- and high-level feature annotation and extraction.

Prospective authors should follow the submission instructions (see below) according to the following timetable:

Submission of papers due:	June 1, 2008
First round notification of acceptance:	August 1, 2008
Revised paper submission due:	September 15, 2008
Second round notification of acceptance:	October 15, 2008
Submission of final revised paper due:	November 15, 2008
Tentative publication date:	February 1, 2009

Submitted papers must be original and not have been previously published or currently submitted for journal publication elsewhere. Papers, which have appeared previously in proceedings of conferences, could be submitted to this special issue if they are substantially revised or improved from their earlier versions. All submitted papers will be refereed on the basis of technical quality, significance, novelty, and clarity. The full paper should ideally not exceed 14 single-space pages of A4, including illustrations and tables. Submissions must be directly sent in PDF format via email to the guest editor, Prof. Mario Döller: mario.doeller@uni-passau.de. Please identify your submission in the email subject line “Submission - JMM Special Issue on Multimodal Information Retrieval”. Complete guidelines for prospective authors can be found on-line at <http://www.academypublisher.com/forauthors.html>.

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