

**Academy Publisher Journal of Multimedia**  
**Special Issue on Video Retrieval**  
**Selected presentations from the Visual Information Engineering Conference 2008**

**Call for Papers**

Over the last two decades, digital video technology has witnessed an explosive growth in both the diversity of techniques and its range of applications. A consequence of this trend is the dramatic growth of available video. This in turn generated a critical need for systems and tools able to find and retrieve content related to a given query, preferably formulated in semantic terms. This important functionality can be achieved only if the video is well structured and annotated with key-words representing semantic concepts. Nowadays, accurate semantic-based annotation of natural images is only realizable by expert human annotators. However, manual annotation is not only slow but also extremely expensive, rendering such a process infeasible for practical applications. As a consequence, technology for automatic video classification, indexing, search and retrieval is key in future multimedia developments. Unfortunately, the gap between the capabilities of current image understanding algorithms and the richness and subjectivity of semantics in human interpretations of visual media is a formidable hurdle in the way to achieve this objective.

The objective of this special issue is to collate and disseminate the most relevant achievements of researchers working on video structuring, classification, annotation and retrieval. High quality contributions addressing related theoretical and practical aspects are solicited. Topics of interest include but are not limited to:

- Collaborative filtering for video retrieval
- Classification and semantic-based video structuring
- Contextual metadata extraction
- Self-embedded metadata using watermarking, authentication, and restoration techniques
- Models for temporal context, spatial context, imaging context (e.g., camera metadata) and social and cultural context
- Web context for online multimedia annotation, browsing, sharing and reuse
- Context tagging systems, e.g., geotagging, voice annotation
- Context-aware inference algorithms
- Integration of low-level video processing and natural language for automatic indexing and retrieval
- Knowledge assisted video mining
- Relevance feedback for semantic semi-automatic annotation
- Scalable and robust content representation, adaptation and transmission

**Submission Procedure:** Prospective contributors are invited to submit research papers, review, survey and tutorial papers, application papers, plus case studies, short research notes and letters, on both applied and theoretical aspects. The papers should ideally not exceed 12,000 words (14 pages) in length. Submissions must include the following elements: title, authors, affiliations, contacts, abstract, index terms, introduction, main text, conclusions, appendixes, acknowledgment, references, and biographies. Papers should be formatted into A4-size (8.27" x 11.69") pages, with main text of 10-point Times New Roman, in single-spaced two-column format. Figures and tables must be sized as they are to appear in print. Figures should be placed exactly where they are to appear within the text.

**Important Dates**

Deadline for manuscript submission:	November 30 <sup>th</sup> , 2008
Review notification:	January 30 <sup>th</sup> , 2009
Submission of final manuscript	February 28 <sup>th</sup> 2009
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