



First Call for Papers

1st IEEE Workshop on Media Information Analysis for Personal and Social Applications (W'MAPS 2009)

<http://www.icme09.org/workshop/WMAPS09>

July 3rd, 2009

Hilton Cancun, Cancun, Mexico

in conjunction with 2009 IEEE International Conference on Multimedia & Expo (ICME)

The proliferation of mobile multimedia devices and social networks has led to an explosion of digital media content being created, resulting in large personal and public multimedia databases in which it has become increasingly difficult to retrieve specific content and browse the large collections. In the absence of manual annotation specifying the content of the media (in the form of captions or tags), most current content management software only allow simple browsing and navigation options; which severely limits the search and other advanced functionality. This is complicated by the available types of media such as images, video, music, speech, text, and graphics, and the relationship and interactions among them. In addition to personal collections located at home PCs and laptops, the wide spread popularity of media and social networking sites such as Flickr, YouTube, Facebook, MySpace, Easyshare Gallery has enabled users to share and browse images and videos. However, due to the huge magnitude and variety of media content, it is increasing difficult for users and consumers to easily navigate, search, compose, and share their content and memories. When we consider the multimedia information available on public web sites, we will be confronting with a big scalability issue with many existing techniques and algorithms. Solutions that address the broad spectrum of personal and social multimedia applications are needed.

The goal of this workshop is to provide a technical forum for researchers from academy and industry to discuss the advances and challenges of information processing, analysis, and retrieval for multimedia applications in personal and social domains. We propose to explore emerging areas of research such as cross-media and cross-domain information analysis and extraction, which will enhance current capability of information management applications and enrich the overall multimedia experience. Another area is to leverage rich metadata and contextual information associated with the media content.

These include GPS, date/time, captions/tags, camera settings, face and other biometric information. The advances in user interface technologies incorporating speech and gesture recognition will also play an important role in enabling more user friendly and easy to use multimedia applications in the consumer domain.

We welcome papers that address fundamental research issues in this challenging area, with emphasis on personal and social applications. We also encourage papers to report on system level research related to multimedia and cross-media analysis, processing, and retrieval. A number of invited papers will also be solicited. Topics of interest include, but are not limited to:

- Cross-media information analysis and extraction
- Machine learning algorithms for media information analysis and extraction
- Object, feature, and relation extraction from media
- Semantic content understanding and recognition
- Context-aware analysis of media and cross-media content
- High dynamic range image processing and retrieval
- Reasoning and cross-domain learning methodologies
- Intra- and inter-media representation and ontology for cross media
- Multimedia browsing/visualization tools and cross-media query
- Metadata analysis for semantic annotations of multimedia content
- Semi-automatic and automatic annotation methods for media content
- Media information processing, delivery, and management
- Synchronization of media objects for cross media analysis
- User interface method for media browsing and search
- Speech and gesture interface for consumer multimedia applications
- System level research for media and cross-media applications

Important Dates

(Please note that dual submissions to both the main ICME conference and workshop will not be accepted.)

Paper submission deadline: Feb. 14, 2009

Notification of acceptance: March 20, 2009

Final camera-ready paper deadline: March 31, 2009

Workshop date: Friday, July 3, 2009

Alexander Loui and Susanto Rahardja
Workshop Co-Chairs

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