CALL FOR PAPERS

MDM/KDD2005 - Sixth International Workshop on Multimedia Data Mining (August 21, 2005)

in conjunction with KDD 2005: The Eleventh ACM SIGKDD International Conference on Knowledge Discovery and Data Mining. August 21-24, 2005 Chicago, IL, USA

MDM/KDD2005 WORKSHOP THEME: “Mining Integrated Media and Complex Data"

Paper submission due 31 May 2005

Workshop Website	http://www-sop.inria.fr/axis/mdm-kdd05/MDM05.htm
Workshop contact	• Fatma.Bouali@univ-lille2.fr • lkhan@utdallas.edu • florent.masseglia@sophia.inria.fr
Workshop Date	21 August, 2005

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DEADLINES

Submissions Due:	31 May, 2005
Acceptance:	21 June, 2005
Camera ready copy:	11 July, 2005
Workshop Day:	21 August, 2005

WORKSHOP MISSION

This year the Multimedia Data Mining workshop will bring together a diverse group of academics and industry practitioners in integrated state-of-art analysis of digital media content, multimedia database systems and multimedia data streams. The workshop will address issues specifically related to mining information from multi-modality, multi-source, multi-format data in an integrated way. This workshop also focus on semantic understanding of multimedia content, and knowledge discovery in other complex data. Many analysis domains collect data from several sources, including static databases, streaming data, web pages, or conditionally collected data. Data appear in multiple forms, including structured, numeric, free text, video, image, speech, or combinations of several types. Analysis in these domains requires combining of techniques and integrating methods.

TOPICS OF INTEREST

The major topics of the workshop include but are not limited to the following groups:

- Integrated mining of different data formats (text, speech, video, structured, image, relational data)
- Combining mining results from different sources
- Integrated mining methods for eBusiness
- Combined mining methods for engineering and manufacturing
- Integrated mining for Homeland Security
- Mining of data streams combined with structure data
- Visual data mining of multi-format/ Multimedia data
- Multi-relational Data Mining. The focus is on mining data residing in relational databases.
- Visual data mining of multi-format/multimedia data.
- Theoretical frameworks for multimedia data mining.
- Multimedia data mining methods and algorithms.
- Multimedia data sampling and preprocessing.
- Data visualization and sonification.
- Representation and reuse of discovered knowledge.
- Multimedia data descriptions languages and formats.
- Evaluation of ‘interestingness’, ‘novelty’ and validity of results.
- Topic and event detection in multimedia data (including video).
- Extracting semantics from multimedia databases.
- Mining scientific multimedia data.
- Integrated data mining in multimedia information systems.
- Knowledge discovery in facial data.
- Man-machine interfaces for multimedia data mining.
- Complexity, efficiency and scalability of multimedia data mining algorithms.
- Data mining virtual communities and virtual worlds.
- Data mining in collaborative virtual environments and virtual reality systems.

- Visual and audio support for multimedia mining.
- Visual data mining of multimedia data.
- Multi-agent environments for concurrent mining of heterogeneous data.
- Real-time multimedia data mining systems.
- Using MPEG-4 and MPEG-7 standards for multimedia data mining.
- Semantic content analysis for multimedia retrieval
- Multi-modal multimedia retrieval
- Retrieval of multimedia semantics
- Multimedia retrieval for pervasive devices
- Semantic web and annotation
- Mining and analysis of data generated by virtual reality systems,
- Discovery in musical data,
- Knowledge Discovery in other complex data (Spatial, VRML, XML, etc.),

Software demonstrations are welcome. We encourage submissions of 'greenhouse' work, which present early stages of cutting-edge research and development.

SUBMISSION

There is no restriction on the length of submissions. Contact author and email address should be specified. Electronic submissions of papers in PDF, PS, RTF or Microsoft Word Document formats are preferable. Submission templates are available at the workshop website. The electronic submission can be done via the conference management system at the workshop website or by email to the Workshop contact (Fatma.Bouali@univ-lille2.fr, lkhan@utdallas.edu, florent.masseglia@sophia.inria.fr)

DISSEMINATION

Peer-reviewed papers, accepted for presentation at the workshop will be published in the workshop proceedings. The workshop organisers plan to publish an edited collection of longer and revised contributions, either as a special issue of related journal or as an edited book.

For details, please, visit the workshop Web site at:
http://www-sop.inria.fr/axis/mdm-kdd05/MDM05.htm