



MIR



© QT Luong / terragalleria.com

2006

## 8th ACM SIGMM International Workshop on Multimedia Information Retrieval

*In conjunction with ACM Multimedia 2006  
October 26-27, 2006, Santa Barbara, CA, USA*

[Home](#)
[Call for Papers](#)
[ACM Style  
Sheet](#)
[Important Dates](#)
[Paper Submission  
Program](#)
[Keynote  
Speech](#)
[Panel Session](#)
[Special Session](#)
[Presenter](#)
[Information  
Program](#)
[Committee](#)
[Sponsors](#)
[Steering Committee](#)
[Registration](#)

You can now **download the slides used during the panel.**

The workshop has been a success, with 70 registered participants. Click on "**Program**" on the left menu to view information about accepted papers. Acceptance rate: peer-reviewed oral presentation papers: 10/70=14%; all peer-reviewed papers: 25/70=36%.

### General Information

Extending beyond the borders of culture, art, and science, the search for digital information is one of the major challenges of our time. Digital libraries, bio-computing & medical science, the Internet, streaming video, databases, cultural heritage collections and peer-2-peer networks have created a worldwide need for new paradigms and techniques on how to browse, search, and summarize multimedia collections. MIR 2006 is a peer-reviewed meeting for scientific researchers and users to discuss important challenges in multimedia retrieval.

Following the success of the seven previous MIR workshops held in conjunction with the ACM Multimedia Conferences, the purpose of the 8th ACM SIGMM International Workshop on Multimedia Information Retrieval (MIR 2006) is to bring together researchers, developers, and practitioners from academia and industry. We are soliciting original papers that address a wide range of issues in multimedia information retrieval.

MIR has been evolving and growing rapidly and is already the largest dedicated ACM meeting in this research area.

### Chairs

- James Z. Wang, College of Information Sciences and Technology, The Pennsylvania State University, University

Park, PA, U.S.A. (jwang at ist dot psu dot edu)

- Nozha Boujemaa, IMEDIA Research Group, INRIA  
Rocquencourt - France (nozha dot boujemaa at inria dot fr)

## Sponsors



THE UNIVERSITY OF MISSISSIPPI

Copyright 2006 MIR



MIR



© QT Luong / terragalleria.com

2006

## 8th ACM SIGMM International Workshop on Multimedia Information Retrieval

*In conjunction with ACM Multimedia 2006  
October 26-27, 2006, Santa Barbara, CA, USA*

[Home](#)
[Call for Papers](#)
[ACM Style Sheet](#)
[Important Dates](#)
[Paper Submission](#)
[Program](#)
[Keynote](#)
[Speech](#)
[Panel Session](#)
[Special Session](#)
[Presenter](#)
[Information](#)
[Program](#)
[Committee](#)
[Sponsors](#)
[Steering Committee](#)
[Registration](#)

You can now **download the slides used during the panel.**

The workshop has been a success, with 70 registered participants. Click on "**Program**" on the left menu to view information about accepted papers. Acceptance rate: peer-reviewed oral presentation papers: 10/70=14%; all peer-reviewed papers: 25/70=36%.

### General Information

Extending beyond the borders of culture, art, and science, the search for digital information is one of the major challenges of our time. Digital libraries, bio-computing & medical science, the Internet, streaming video, databases, cultural heritage collections and peer-2-peer networks have created a worldwide need for new paradigms and techniques on how to browse, search, and summarize multimedia collections. MIR 2006 is a peer-reviewed meeting for scientific researchers and users to discuss important challenges in multimedia retrieval.

Following the success of the seven previous MIR workshops held in conjunction with the ACM Multimedia Conferences, the purpose of the 8th ACM SIGMM International Workshop on Multimedia Information Retrieval (MIR 2006) is to bring together researchers, developers, and practitioners from academia and industry. We are soliciting original papers that address a wide range of issues in multimedia information retrieval.

MIR has been evolving and growing rapidly and is already the largest dedicated ACM meeting in this research area.

### Chairs

- James Z. Wang, College of Information Sciences and Technology, The Pennsylvania State University, University

Park, PA, U.S.A. (jwang at ist dot psu dot edu)

- Nozha Boujemaa, IMEDIA Research Group, INRIA  
Rocquencourt - France (nozha dot boujemaa at inria dot fr)

## Sponsors



THE UNIVERSITY OF MISSISSIPPI

Copyright 2006 MIR



MIR



© QT Luong / terragalleria.com

2006

**8th ACM SIGMM International  
Workshop on Multimedia Information Retrieval**

*In conjunction with ACM Multimedia 2006  
October 26-27, 2006, Santa Barbara, CA, USA*

[Home](#)

[Call for Papers](#)

[ACM Style  
Sheet](#)

[Important Dates](#)

[Paper Submission  
Program](#)

[Keynote  
Speech](#)

[Panel Session](#)

[Special Session](#)

[Presenter](#)

[Information](#)

[Program](#)

[Committee](#)

[Sponsors](#)

[Steering Committee](#)

[Registration](#)

**Final Program**

**Thursday October 26, 2006**

**Opening: 2:00PM - 3:00PM**

1. Opening Remarks and Introduction of Speaker. James Z. Wang (The Pennsylvania State University, USA)
2. Keynote Speech. Donald Geman (Johns Hopkins University, USA)

**Poster Sessions: 3:00PM - 5:00PM**

**Session 1: Multimedia Retrieval**

**Chair: Alberto Del Bimbo, University of Florence, Italy**

1. Similarity learning via dissimilarity space in CBIR. Giang Phuong Nguyen (University of Amsterdam, NL); Marcel Worring (University of Amsterdam, NL); Arnold Smeulders (University of Amsterdam, NL)
2. Adaptive Image Retrieval using a Graph Model for Semantic Feature Integration. Jana Urban (University of Glasgow, UK); Joemon Jose (University of Glasgow, UK)
3. Visual Pattern Discovery Using Web Images. Yongqing Sun (NTT Cyber Solutions Laboratories, JP)
4. Dynamic Similarity Search in Multi-Metric Spaces. Benjamin Bustos (University of Konstanz, DE); Tomas Skopal (Charles University in Prague, CZ)

5. Combining Audio-based Similarity with Web-based Data to Accelerate Automatic Music Playlist Generation. Peter Knees (Johannes Kepler University Linz, AT); Tim Pohle (Johannes Kepler University Linz, AT); Markus Schedl (Johannes Kepler University, AT); Gerhard Widmer (Johannes Kepler University Linz, AT)
6. Retrieval of Ottoman Documents. Esra Ataer (Bilkent University, TR); Pinar Duygulu (Bilkent University, TR)
7. Unsupervised learning from a corpus for shape-based 3D model retrieval. Ryutarou Ohbuchi (University of Yamanashi, JP)

**Session 2: Annotation, Summarization, and Visualization**  
**Chair: Daniel Gatica-Perez, IDIAP Research Institute, Switzerland**

1. Image Classification using Cluster-Cooccurrence Matrices of Local Relational Features. Lokesh Setia (University of Freiburg, DE); Alexandra Teynor (University of Freiburg, DE); Alaa Halawani (University of Freiburg, DE); Hans Burkhardt (University of Freiburg, DE)
2. Mining Temporal Patterns of Movement for Video Content Classification. Michael Fleischman (MIT, US); Phillip Decamp (MIT, US); Deb Roy (MIT, US)
3. Joint Categorization of Queries and Clips for Web-based Video Search. Ruofei Zhang (Yahoo! Inc., US); Ramesh Sarukkai (Yahoo! Inc., US); Jyh-Herng Chow (Yahoo! Inc., US); Wei Dai (Yahoo! Inc., US); Zhongfei Zhang (State University of New York at Binghamton, US)
4. Constant tangential angle elected interest points. Alexis Joly (INRIA, FR); Ahmed Rebai (INRIA, FR); Nozha Boujemaa (INRIA, FR).
5. Video Summarization using Personal Photo Libraries. Yuichiro Takeuchi (The University of Tokyo, JP); Masanori Sugimoto (The University of Tokyo, JP)
6. Assembling personal speech collections by monologue scene detection from a news video archive. Ichiro Ide (Nagoya University, JP); Naoki Sekioka (Nagoya University, JP); Tomokazu Takahashi (Nagoya University, JP); Hiroshi Murase (Nagoya University, JP)
7. Automatically Selecting Shots for Action Movie Trailers. Alan Smeaton (Dublin City University, IE); Bart Lehane (Dublin City University, IE); Noel O'Connor (Dublin City University, IE); Conor Brady (Dublin City University, IE); Gary Craig (Dublin City University, IE)

8. Matching slides to Presentation Videos Using Scene Background Alignment. Quanfu Fan (University of Arizona, US)

**Afternoon Tea: 4:00PM - 4:30PM**

**Special Session 1: 5:00PM - 6:40PM Query Systems for Data Retrieval in Large Personal Image and Video Databases**

**Chair: Igor Kozintsev, Intel, USA**

1. To Search or To Label? Predicting the Performance of Search-Based Automatic Annotation Models for Consumer Photos. Lyndon Kennedy (Columbia University, US); Shih-Fu Chang, (Columbia University, US)
2. Dynamic Storyboards for Video Content Summarization. G. Ciocca (Universit` degli Studi di Milano-Bicocca, IT); R. Schettini (Universit` degli Studi di Milano-Bicocca, IT)
3. Scalable Search-Based Image Annotation of Personal Images. Changhu Wang (University of Science and Technology of China, CN); Feng Jing (Microsoft Research Asia, CN); Lei Zhang (Microsoft Research Asia, CN); Hong-Jiang Zhang (Microsoft Research Asia, CN)
4. Efficient Filtering with Sketches in the Ferret Toolkit. Qin Lv (Princeton University, US); William Josephson (Princeton University, US), Zhe Wang (Princeton University, US), Moses Charikar (Princeton University, US) Kai Li (Princeton University, US)
5. Efficient Semantic Annotation Method for Indexing Large Personal Video Database. Yan SONG (University of Sci&Tech of China, CN); Meng WANG (University of Sci&Tech of China, CN); Li-Rong DAI (University of Sci&Tech of China, CN); Ren-Hua Wang (University of Sci&Tech of China, CN); Xian-Sheng HUA (Microsoft Research Asia, CN); Hong-Jiang ZHANG (Microsoft Research Asia, CN)

**Friday October 27, 2006**

**Opening: 9:00PM - 10:00PM**

1. Opening Remarks and Introduction of Speaker. Nozha Boujemaa (INRIA, France)
2. Keynote Speech. Edward Chang, Google China and

University of California at Santa Barbara, USA.

**Morning Tea: 10:00PM - 10:30PM**

**Oral Session 1: 10:30AM - 12:10PM: Multimedia Retrieval**

**Chair: James Z. Wang, The Pennsylvania State University, USA**

1. Description and Retrieval of 3D Face Models using iso-Geodesic Stripes. Stefano Berretti (University of Florence, IT); Alberto Del Bimbo (University of Firenze, IT); Pietro Pala (University of Firenze, IT)
2. Probabilistic Feature Modeling based on Quantization for SVM Active Learning in Content-based Image Retrieval. Hua Xie (Jet Propulsion Laboratory, California Institute of Technology, US); Victor Andreu (University of Southern California, US); Antonio Ortega (USC, US)
3. Exploring Temporal Consistency for Video Analysis and Retrieval. Jun Yang (Carnegie Mellon University, US); Alexander Hauptmann (Carnegie Mellon University, US)
4. Dual diffusion model of spreading activation for content-based image retrieval. Serhiy Kosinov (University of Geneva, CH); Stephane Marchand-Maillet (University of Geneva, CH); Igor Kozintsev (Intel, US); Carole Dulong (Intel, US); Thierry Pun (University of Geneva, CH)
5. Using Score Distributions for Query-time Fusion in Multimedia Retrieval. Peter Wilkins (Centre for Digital Video Processing, Dublin City University, IE)

**Lunch: 12:10PM - 1:10PM**

**Oral Session 2: 1:10PM - 2:50PM Annotation, Summarization and Visualization**

**Chair: Nozha Boujemaa, INRIA, France**

1. An Adaptive Graph Model for Automatic Image Annotation. Jing Liu (Institute of Automation, Chinese Academy of Sciences, CN); Mingjing Li (Microsoft Research Asia, CN); Qingshan Liu (Institute of Automation (IA) Chinese Academy of Sciences (CAS), CN); Hanqing Lu (the Institute of Automation, Chinese Academy of Sciences, CN); Wei-Ying Ma (Microsoft Research, China, CN)
2. Low cost soccer video summaries based on visual rhythm. Nivando Bezerra (Universidade de Fortaleza, BR); Elan Lima (Universidade de Fortaleza, BR)



3. Incorporating Concept Ontology for Hierarchical Classifier Training and Multi-Level Image Annotation. Yuli Gao (University of North Carolina at Charlotte, US); Jianping Fan (University of North Carolina, US)
4. Generating Summaries and Visualization for Large Collections of Geo-Referenced Photographs. Mor Naaman (Yahoo! Research Berkeley, US); Alexander Jaffe (Yahoo! Research Berkeley, US); Tamir Tassa (The Open University of Israel, US); Marc Davis (University of California, Berkeley, US)
5. Robust Scene Recognition using Language Models for Scene Contexts. Ryoichi Ando (Tokyo Institute of Technology, JP); Koichi Shinoda (Tokyo Institute of Technology, JP); Sadaoki Furui (Tokyo Institute of Technology, JP); Takahiro Mochizuki (NHK, JP)

**Afternoon Tea: 2:50PM - 3:10PM**

**Special Session 2: 3:10PM - 4:50PM  
Benchmarking Image and Video Retrieval**

**Chair: Marcel Worring, University of Amsterdam, The Netherlands**

1. Benchmarking Image and Video Retrieval: an overview. Stephane Marchand-Maillet (University of Geneva, CH); Marcel Worring (University of Amsterdam, NL)
2. Usage-oriented multimedia information retrieval technological evaluation. Christian Fluhr (CEA-LIST, FR); Pierre-Alain Moellic (CEA-LIST, FR); Patrick Hede (CEA-LIST, FR)
3. Human Performance Measures for Video Retrieval. Gary Marchionini (University of North Carolina, US)
4. Benchmarking Multimedia Search in Structured Collections. Thijs Westerveld (CWI, NL); Roelof van Zwol (University of Utrecht, NL)
5. Evaluation Campaigns and TRECVID. Alan Smeaton (Dublin City University, IE); Paul Over (NIST, US); Wessel Kraaij (TNO, NL)

**Panel Session: 5:00PM - 6:00PM Diversity in Multimedia Retrieval Research**

**Chair: James Z. Wang, The Pennsylvania State University, USA**

**Panelists:**

Nozha Boujemaa, INRIA, France  
Alberto Del Bimbo, University of Florence, Italy  
Donald Geman, Johns Hopkins University  
Alex Hauptmann, Carnegie Mellon University  
Jelena Tesic, IBM T.J. Watson Research Center

**This schedule is subject to change. Last updated: August 3, 2006.**

Copyright 2006 MIR



MIR



© QT Luong / terragalleria.com

2006

## 8th ACM SIGMM International Workshop on Multimedia Information Retrieval

*In conjunction with ACM Multimedia 2006  
October 26-27, 2006, Santa Barbara, CA, USA*

[Home](#)
[Call for Papers](#)
[ACM Style  
Sheet](#)
[Important Dates](#)
[Paper Submission  
Program](#)
[Keynote](#)
[Speech](#)
[Panel Session](#)
[Special Session](#)
[Presenter](#)
[Information](#)
[Program](#)
[Committee](#)
[Sponsors](#)
[Steering Committee](#)
[Registration](#)

**The submission deadline has already passed.**

### Call for Papers (Other formats: WORD, PDF)

Indexing and retrieval of large quantity of multimedia data is a highly challenging and growingly important research problem for the multimedia research community. Researchers in multimedia, databases, computer vision, machine learning, signal and image processing and statistics have worked on multimedia information retrieval for over a decade. A number of significant technological advances have been achieved in this field. Some of the techniques have been applied to real-world application areas such as art image retrieval, biomedical image and video retrieval, education, sensor networks, large-scale online personal and professional photo sharing communities, classification and filtering of images on the Web, scientific content (remote sensing and biodiversity), computer forensics, threat assessment and security applications more generally. We envision more and more real-world applications of multimedia information retrieval to appear in the coming years. In this workshop, we will bring together active researchers, developers, and practitioners from both academia and the industry to showcase latest technological advances and to discuss future possibilities.

We are soliciting high-quality submissions that:

- present novel and fresh ideas
- question existing paradigms
- introduce brave new research directions

in the following (and other related) Topics of Interest:

- Content-based indexing, search, and retrieval of multimedia data

- Image, video and audio similarity measures
- Summarization and visualization of multimedia data sets
- Indexing and retrieval of streaming audio and video
- Semantic content analysis, classification and annotation, representation and modeling
- Learning and relevance feedback in multimedia retrieval
- User perspectives and user modeling
- Intelligent agents for multimedia indexing and retrieval
- Multimedia query languages, query processing and optimization
- Media mining from semi-structured data (video, image, audio, and documents)
- Efficient and scalable storage and search techniques
- High performance algorithms for distributed multimedia repositories access
- Tools, benchmarks, and standards
- Emerging query and retrieval models: beyond client and server
- Multi-modal/multi-sensor fusion techniques
- Applications of multimedia information retrieval in any field

### **Important Dates:**

July 11, 2006: Submission deadline (extended from July 5 due to a holiday in US)

July 25, 2006 to August 1, 2006: Notification of acceptance

August 10, 2006: Camera-ready full paper (extended from Aug 5)

The papers should be submitted online. Each paper should be no more than 10 pages prepared in the ACM style and written in acceptable English. All submissions will be peer-reviewed by at least 3 members of the program committee. The workshop proceedings will be printed by ACM and indexed in the ACM Digital Library.

### **Chairs:**

#### **James Z. Wang**

College of Information Sciences and Technology  
The Pennsylvania State University  
University Park, PA 16802, USA  
(Office) +1-814-865-7889  
(Fax) +1-814-865-6426  
(email) jwang AT ist DOT psu DOT edu  
(Web) <http://wang.ist.psu.edu>

#### **Nozha Boujemaa**

The IMEDIA Research Group  
INRIA Rocquencourt

France  
(Office) +33-1 39 63 51 54  
(Fax) +33-1 39 63 56 74  
(email) nozha DOT boujemaa AT inria DOT fr  
(Web) <http://www-rocq.inria.fr/~boujemaa>

Copyright 2006 MIR



MIR



© QT Luong / terragalleria.com

2006

8th ACM SIGMM International  
Workshop on Multimedia Information Retrieval

*In conjunction with ACM Multimedia 2006  
October 26-27, 2006, Santa Barbara, CA, USA*

[Home](#)

[Call for Papers](#)

[ACM Style  
Sheet](#)

[Important Dates](#)

[Paper Submission  
Program](#)

[Keynote](#)

[Speech](#)

[Panel Session](#)

[Special Session](#)

[Presenter](#)

[Information](#)

[Program](#)

[Committee](#)

[Sponsors](#)

[Steering Committee](#)

[Registration](#)

### Important Dates

July 11, 2006: Submission deadline (extended from July 5 due to a holiday in US)

August 2, 2006: Notification of acceptance

**August 14, 2006 10AM EST:** Camera-ready full paper (extended from Aug 5)

Note: Because of the short period for the peer review process, we will not further extend the submission deadline. Please plan ahead.

Copyright 2006 MIR



MIR



© QT Luong / terragalleria.com

2006

8th ACM SIGMM International  
Workshop on Multimedia Information Retrieval

*In conjunction with ACM Multimedia 2006  
October 26-27, 2006, Santa Barbara, CA, USA*

[Home](#)

[Call for Papers](#)

[ACM Style](#)

[Sheet](#)

[Important Dates](#)

[Paper Submission](#)

[Program](#)

[Keynote](#)

[Speech](#)

[Panel Session](#)

[Special Session](#)

[Presenter](#)

[Information](#)

[Program](#)

[Committee](#)

[Sponsors](#)

[Steering Committee](#)

[Registration](#)

## Paper Submission

**The paper submission is now closed. The following link is provided for information about**

## **Camera-ready Final Paper Submission.**

**Important Note:** A paper submitted to the MIR Workshop should not have any significant overlap with other papers currently being considered, accepted, or published by other conferences, workshops, or journals. Ask the chair if you have any questions on this.

Copyright 2006 MIR



MIR



© QT Luong / terragalleria.com

2006

## 8th ACM SIGMM International Workshop on Multimedia Information Retrieval

*In conjunction with ACM Multimedia 2006  
October 2006, Santa Barbara, CA, USA*

[Home](#)
[Call for Papers](#)
[ACM Style  
Sheet](#)
[Important Dates](#)
[Paper Submission  
Program](#)
[Keynote  
Speech](#)
[Panel Session](#)
[Special Session](#)
[Presenter](#)
[Information](#)
[Program](#)
[Committee](#)
[Sponsors](#)
[Steering Committee](#)
[Registration](#)

### Keynote Speakers

The MIR workshop this year will feature two keynote speakers.



#### **Interactive Image Retrieval by Mental Matching** **Donald Geman, Professor, Johns Hopkins University**

In "query-by-visual-example," the standard scenario in image retrieval, the "query image" resides in the database and is matched by the system with other images. Suppose, instead, the query image is "external" and the matching is "mental." For instance, an image resides in the mind of the user or there is an actual object or photograph. The user may seek versions of the same image, e.g., the same face, or images belonging to the same class, e.g., similar landscapes, and responds to a sequence of machine-generated queries designed to accelerate the search. For example, the user declares which of several displayed images is "closest" to his query. These similarity decisions are entirely subjective and user-dependent. I will discuss an interactive search engine which is based on information theory and statistical inference. The display algorithm involves a Bayesian relevance feedback model and an optimality criterion based on conditional entropy. Performance is measured by the expected number of iterations necessary to match



the identity (target search) or the class (category search) of the query. Designing metrics and response models which are consistent with human behavior is essential for achieving practical results with large databases, as illustrated with art and faces.

**Biography:** Donald Geman received his Ph.D. in Mathematics from Northwestern University and was Distinguished Professor at the University of Massachusetts until 2001, when he joined the Department of Mathematical Sciences and Whitaker Biomedical Engineering Institute at Johns Hopkins University, where he is now Professor. He works at the intersection of applied mathematics and computer science, specializing in stochastic analysis, vision, learning and bioinformatics. With more than 4,500 recorded citations by google scholar, his paper on stochastic relaxation, Gibbs distributions, and the Bayesian restoration is the most cited imaging-related work.



### **Unified and Scalable Learning in Multimedia Information Retrieval**

**Edward Chang, Director R&D, Google China; Professor, University of California at Santa Barbara**

Statistical-learning approaches such as unsupervised learning, supervised learning, active learning, and reinforcement learning have generally been separately studied and applied to solve application problems. In this talk, I will present our recent work on a unified learning paradigm (ULP). ULP is motivated by how human being acquires knowledge: we learn by being taught (supervised learning), by self-study (unsupervised learning), by asking questions (active learning), and by being examined for the ability to generalize (reinforcement learning). I will present our recent ICML and KDD papers on ULP, which can substantially reduce the amount of required training data. I will also present our proposed algorithmic and data-processing techniques to speed up kernel-based learning for multimedia information retrieval. I will touch basis on how my new role at Google relates to the multimedia community.

**Biography:** Professor Edward Chang received his M.S. in Computer Science and PhD in Electrical Engineering at Stanford University in 1994 and 1999, respectively. He is Professor of Electrical Engineering at University of California, Santa Barbara. His recent research activities are in the areas of machine learning, data mining, high-dimensional data indexing, and their

applications to image databases, video surveillance, and Web mining. Professor Chang is a recipient of the IBM Faculty Partnership Award and the NSF Career Award. He is now on leave and serves as the R&D Director of Google China.

Copyright 2006 MIR



MIR



© QT Luong / terragalleria.com

2006

## 8th ACM SIGMM International Workshop on Multimedia Information Retrieval

*In conjunction with ACM Multimedia 2006  
October 26-27, 2006, Santa Barbara, CA, USA*

[Home](#)
[Call for Papers](#)
[ACM Style  
Sheet](#)
[Important Dates](#)
[Paper Submission  
Program](#)
[Keynote](#)
[Speech](#)
[Panel Session](#)
[Special Session](#)
[Presenter](#)
[Information](#)
[Program](#)
[Committee](#)
[Sponsors](#)
[Steering Committee](#)
[Registration](#)

### Panel Session: Diversity in Multimedia Retrieval Research

The goal of the panel is to have important industrial and academic players of the field discuss how best to bring the field forward. This year, the topic will be surrounding the importance of diversity in multimedia research. Subtopics may include "does benchmarking kill innovation", "is there still needs for image retrieval research", "is there a need for a wide spectrum of research areas"...

#### Panelists:

**James Z. Wang, The Pennsylvania State University  
(moderator)**

**Nozha Boujemaa, INRIA, France**

**Alberto Del Bimbo, University of Florence, Italy**

**Donald Geman, Johns Hopkins University**

**Alex Hauptmann, Carnegie Mellon University**

**Jelena Tesic, IBM T.J. Watson Research Center**

**You can now download the slides used during the panel.**

Copyright 2006 MIR



MIR



© QT Luong / terragalleria.com

2006

## 8th ACM SIGMM International Workshop on Multimedia Information Retrieval

*In conjunction with ACM Multimedia 2006  
October 26-27, 2006, Santa Barbara, CA, USA*

[Home](#)
[Call for Papers](#)
[ACM Style  
Sheet](#)
[Important Dates](#)
[Paper Submission  
Program](#)
[Keynote  
Speech](#)
[Panel Session](#)
[Special Session  
Presenter](#)
[Information  
Program](#)
[Committee](#)
[Sponsors](#)
[Steering Committee](#)
[Registration](#)

### Special Sessions

The MIR workshop this year will include two special sessions. They were selected from submitted session proposals based on the [Call for Special Sessions](#).

#### **Special Session 1: Query systems for data retrieval in large personal image and video databases**

Organizers: Carole Dulong, Igor Kozintsev, Yi Wu, Intel, USA  
Session Chair: Igor Kozintsev, Intel, USA

The emergence of ubiquitous communications, coupled with the shrinking cost and size of processing and storage units as well as the ever-increasing performance and/or capabilities of those units, have given rise to explosion of personal digital multimedia creation. As the rate of personal digital media creation rises, the demand for solutions to manage personal multimedia collections is increasing tremendously. Several recent important advances in the areas of computer vision, signal processing and machine learning open up new possibilities for creating such solutions.

Yet the challenges are many. To this moment, existing personal image and video management systems mostly rely on keywords in a form of user annotation and various metadata for searching. A few content based retrieval systems developed so far target mostly large stock photo collections, have very limited provisions for personalization and support only basic retrieval concepts. In contrast to that, personal media database management needs to deal with much more complex, mostly person-oriented concepts and lack of extensive annotation. This raises complexity of algorithms at all levels: vision and low-level feature extraction, ranking and classification, multimodal fusion, long-term and short-term on-line learning and user interface design.

This special session aims to provide a forum for the state-of-the-art research results in this emerging field and to address the growing interests both from academia and industry in mining and retrieval of multimedia data. The special session will focus on query mechanisms capable of supporting image and video retrieval in large personal databases. We propose to address algorithms for region-based query systems with semantics localization, efficient queries by example, query by concepts, aspects of the on-line learning of user queries, propagation of semantic concepts and the related problems. Among others, the questions we will try to address include the following: How do users manage search and interact with over 10K images in a personal database? How to interact, summarize, search tens of hours of home videos?

We have identified several key research groups and top experts, covering a wide range of topics under the special session theme, to present their latest work and findings. The presentations in the special session are as follows:

- 1. To Search or To Label? Predicting the Performance of Search-Based Automatic Annotation Models for Consumer Photos,**  
**Lyndon Kennedy and Shih-Fu Chang, Columbia University, USA**
- 2. Dynamic Storyboards for Video Content Summarization**  
**G. Ciocca and R. Schettini, DISCo (Dipartimento di Informatica, Sistemistica e Comunicazione) Universit` degli Studi di Milano-Bicocca, Italy**
- 3. Scalable Search-Based Image Annotation of Personal Images,**  
**Changhu Wang, Department of EEIS, University of Science and Technology of China, China**  
**Feng Jing, Lei Zhang, Hong-Jiang Zhang, Microsoft Research Asia, China**
- 4. Efficient Filtering with Sketches in the Ferret Toolkit,**  
**Qin Lv, William Josephson, Zhe Wang, Moses Charikar and Kai Li, Princeton University, USA**
- 5. Efficient Semantic Annotation Method for Indexing Large Personal Video Database,**  
**Yan SONG, Meng WANG, Li-Rong DAI, Ren-Hua Wang, Department of EEIS, University of Sci&Tech of China, China**  
**Xian-Sheng HUA, Hong-Jiang ZHANG Microsoft Research Asia, China**

Organizers: Stephane Marchand-Maillet, University of Geneva, Switzerland

Marcel Worring, University of Amsterdam, The Netherlands

Session Chair: Marcel Worring, University of Amsterdam, The Netherlands

The ease with which image and video can be captured has led to a proliferation of image and video collections in all parts of society. Getting content based access to such collections is a difficult task. As a consequence, content based image and video retrieval has become a very active field of research building upon and extending techniques from computer vision, pattern recognition, human computer interaction, information retrieval and database management. Evaluating performance in such a complex and diverse field is difficult. How can you compare the performance of your method for image retrieval with your fellow researcher who is using similar algorithms on different datasets or your video retrieval method on the same video, but with different shots detected? What's the value of the method that you recently read in a scientific paper? Is it worth to pursue for your own system? Why this technique shows such a limitation?

To answer these questions, we have seen the emergence of several image and video retrieval benchmarks. These benchmarks use fixed datasets with well defined units of retrieval and explicit tasks to solve. They allow objective comparison of different methods in a common framework. In addition, they allow objective measures to follow the progress made over the years. For image retrieval various benchmarks have been developed, each with their own merits. Creating a benchmark requires accepted well-defined purposes and sufficient commonalities between proposed systems. For image retrieval, it turns out that not only a common dialog between actors in the field is difficult to find, but also the interpretation of what a good image retrieval system should do varies. In video retrieval the TRECVID benchmark has become the de-facto standard. Currently for a topic like shot segmentation algorithms are not considered eligible for publication in a serious conference if they are not evaluated within the TRECVID benchmark. Other tasks like high-level feature extraction are likely to follow in the coming years.

This special session will consider many different aspects of benchmarking image and video retrieval. The data sources range from pure visual information, to visual information with associated free text, and finally to visual information and associated structured XML data. The evaluation methods consider both task as well as user criteria. The session will provide insight in the possibilities and the limitations of the various evaluation campaigns.

We have identified several key research groups and top experts to present their latest work and findings. The presentations in the special session are as follows:

- 1. Benchmarking Image and Video Retrieval: an overview.**  
**Stephane Marchand-Maillet, University of Geneva, Switzerland**  
**Marcel Worring, University of Amsterdam, The Netherlands**
- 2. Usage-oriented multimedia information retrieval technological evaluation.**  
**Christian Fluhr, Pierre-Alain Moellic, Patrick Hede, CEA-LIST, France.**
- 3. Human Performance Measures for Video Retrieval.**  
**Gary Marchionini, University of North Carolina, USA**
- 4. Benchmarking Multimedia Search in Structured Collections.**  
**Thijs Westerveld, CWI, The Netherlands**  
**Roelof van Zwol, University of Utrecht, The Netherlands**
- 5. Evaluation Campaigns and TRECVID.**  
**Alan Smeaton, Dublin City University, Ireland**  
**Paul Over, NIST, USA**  
**Wessel Kraaij, TNO, The Netherlands.**

Special Sessions Chair:

Nicu Sebe

University of Amsterdam

(Office) +31-20-5257552

(Fax) +31-20-5257490

(email) nicu AT science.uva.nl

(Web) <http://www.science.uva.nl/~nicu>

Copyright 2006 MIR



MIR



© QT Luong / terragalleria.com

2006

8th ACM SIGMM International  
Workshop on Multimedia Information Retrieval

*In conjunction with ACM Multimedia 2006  
October 26-27, 2006, Santa Barbara, CA, USA*

[Home](#)

[Call for Papers](#)

[ACM Style  
Sheet](#)

[Important Dates](#)

[Paper Submission  
Program](#)

[Keynote](#)

[Speech](#)

[Panel Session](#)

[Special Session](#)

[Presenter](#)

[Information](#)

[Program](#)

[Committee](#)

[Sponsors](#)

[Steering Committee](#)

[Registration](#)

**Presenter Information**

Please follow the guidelines of ACM Multimedia for presenter information.

Click **[HERE](#)**.

Copyright 2006 MIR





MIR



© QT Luong / terragalleria.com

2006

**8th ACM SIGMM International  
Workshop on Multimedia Information Retrieval**

*In conjunction with ACM Multimedia 2006  
October 26-27, 2006, Santa Barbara, CA, USA*

[Home](#)

[Call for Papers](#)

[ACM Style](#)

[Sheet](#)

[Important Dates](#)

[Paper Submission](#)

[Program](#)

[Keynote](#)

[Speech](#)

[Panel Session](#)

[Special Session](#)

[Presenter](#)

[Information](#)

[Program](#)

[Committee](#)

[Sponsors](#)

[Steering Committee](#)

[Registration](#)

**Program Committee**

**[Program committee member login here](#)**

**Chairs**

**[James Z. Wang](#)**

College of Information Sciences and Technology  
The Pennsylvania State University  
University Park, PA 16802, USA  
(Office) +1-814-865-7889  
(Fax) +1-814-865-6426  
(email) [jwang AT ist dot psu dot edu](mailto:jwang@ist.psu.edu)  
(Web) <http://wang.ist.psu.edu>

**[Nozha Boujemaa](#)**

IMEDIA Research Group  
INRIA Rocquencourt, France  
(Office) +33-1 39 63 51 54  
(Fax) +33-1 39 63 56 74  
(email) [nozha.boujemaa AT inria dot fr](mailto:nozha.boujemaa@inria.fr)  
(Web) <http://www-rocq.inria.fr/~boujemaa>

**Vice Chair**

**[Yixin Chen](#)**

University of Mississippi  
Department of Computer and Information Science, 201 Weir Hall  
University, MS 38677  
(Office) +1-662-915-7438  
(Fax) +1-662-915-5623  
(email) ychen AT cs dot olemiss dot edu  
(Web) <http://www.cs.olemiss.edu/~ychen>

### Special Sessions Chair

#### Nicu Sebe

University of Amsterdam  
(Office) +31-20-5257552  
(Fax) +31-20-5257490  
(email) nicu AT science.uva.nl  
(Web) <http://www.science.uva.nl/~nicu>

### Program Committee Members

**Kobus Barnard** (kobus @ cs.arizona.edu), University of Arizona, USA

**Nozha Boujemaa** (Nozha.Boujemaa @ inria.fr), INRIA, France

**Ching-chih Chen** (chen @ simmons.edu), Simmons College, USA

**Yixin Chen** (ychen @ cs.olemiss.edu), University of Mississippi, USA

**Rita Cucchiara** (cucchiara.rita @ unimore.it), University of Modena and Reggio Emilia, Italy

**Pinar Duygulu-Sahin** (duygulu @ cs.bilkent.edu.tr), Bilkent University, Turkey

**Alberto Del Bimbo** (delbimbo @ dsi.unifi.it), University of Florence, Italy

**David Forsyth** (daf @ cs.berkeley.edu), University of Illinois, Urbana-Champaign, USA

**Hichem Frigui** (h0frig01 @ louisville.edu), University of Louisville, USA

**Daniel Gatica-Perez** (gatica@idiap.ch), IDIAP Research Institute, Switzerland

**C. Lee Giles** (giles @ ist.psu.edu), The Pennsylvania State University, USA

**Robert M. Gray** (rmgray @ stanford.edu), Stanford University, USA

**Alan Hanjalic** (A.Hanjalic @ ewi.tudelft.nl), Delft University of Technology, The Netherlands

**Thomas Huang** (t-huang1 @ uiuc.edu), University of Illinois, Urbana-Champaign, USA

**Igor V. Kozintsev** (igor @ kozintsev.net), Intel Microprocessor Research Lab, USA

**Michael Lew** (mlew @ liacs.nl), Leiden University, The Netherlands

**Jia Li** (jiali @ psu.edu), The Pennsylvania State University, USA

**Ruqian Lu** (rqlu @ fudan.edu.cn, rqlu @ math.ac.cn), Fudan University and Academia Sinica of China, China

**Rainer W. Lienhart** (Rainer.Lienhart @ informatik.uni-augsburg.de), University of Mannheim, Germany

**B. S. Manjunath** (manj @ ece.ucsb.edu), University of California, Santa Barbara, USA

**Stephane Marchand-Maillet** (marchand @ cui.unige.ch), University of Geneva, Switzerland

**Eric Pauwels** (Eric.Pauwels @ cwi.nl), CWI, The Netherlands

**Shin'ichi Satoh** (satoh @ nii.ac.jp), National Institute of Informatics, Japan

**Nicu Sebe** (nicu @ science.uva.nl), University of Amsterdam, The Netherlands

**Alan Smeaton** (asmeaton @ computing.dcu.ie), Dublin City University, Ireland

**Arnold Smeulders** (smeulders @ science.uva.nl), University of Amsterdam, The Netherlands

**John Smith** (jrsmith @ watson.ibm.com), IBM T.J. Watson Research Center, USA

**Qi Tian**(qitian @ cs.utsa.edu), University of Texas at San Antonio, USA

**Nuno Vasconcelos**(nuno@ucsd.edu), University of California, San Diego, USA

**James Z. Wang** (jwang @ ist.psu.edu), The Pennsylvania State University, USA

Copyright 2006 MIR



MIR



© QT Luong / terragalleria.com

2006

**8th ACM SIGMM International  
Workshop on Multimedia Information Retrieval**

*In conjunction with ACM Multimedia 2006  
October 26-27, 2006, Santa Barbara, CA, USA*

[Home](#)

[Call for Papers](#)

[ACM Style  
Sheet](#)

[Important Dates](#)

[Paper Submission  
Program](#)

[Keynote](#)

[Speech](#)

[Panel Session](#)

[Special Session](#)

[Presenter](#)

[Information](#)

[Program](#)

[Committee](#)

[Sponsors](#)

[Steering Committee](#)

[Registration](#)

**Sponsors**



**THE UNIVERSITY OF MISSISSIPPI**

Copyright 2006 MIR



MIR



© QT Luong / terragalleria.com

2006

**8th ACM SIGMM International  
Workshop on Multimedia Information Retrieval**

*In conjunction with ACM Multimedia 2006  
October 26-27, 2006, Santa Barbara, CA, USA*

[Home](#)

[Call for Papers](#)

[ACM Style  
Sheet](#)

[Important Dates](#)

[Paper Submission  
Program](#)

[Keynote  
Speech](#)

[Panel Session](#)

[Special Session](#)

[Presenter](#)

[Information  
Program](#)

[Committee](#)

[Sponsors](#)

[Steering Committee](#)

[Registration](#)

**ACM SIGMM MIR Steering Committee**

**Brigitte Kerhervé (Term expires at the end of MIR'2006)**

**Vincent Oria (Term expires at the end of MIR'2006)**

**Shin'ichi Satoh (Term expires at the end of MIR'2006)**

**Mario A. Nascimento (Term expires at the end of MIR'2007)**

**Noboru Babaguchi (Term expires at the end of MIR'2007)**

**K Selcuk Candan (Term expires at the end of MIR'2007)**

**Sibel Adali (Term expires at the end of MIR'2008)**

**Yuichi Nakamura (Term expires at the end of MIR'2008)**

**Uma Srinivasan (Term expires at the end of MIR'2008)**

**Michael S. Lew (chair) (Term expires at the end of MIR'2008)**

**Nicu Sebe (Term expires at the end of MIR'2008)**

**Chabane Djeraba (Term expires at the end of MIR'2008)**

**Hongjiang Zhang (Term expires at the end of MIR'2009)**

**John Smith (Term expires at the end of MIR'2009)**

**Qi Tian (Term expires at the end of MIR'2009)**

**ACM SIGMM Designated Officer or representative**

Copyright 2006 MIR



MIR



© QT Luong / terragalleria.com

2006

8th ACM SIGMM International  
Workshop on Multimedia Information Retrieval

*In conjunction with ACM Multimedia 2006  
October 26-27, 2006, Santa Barbara, CA, USA*

[Home](#)

[Call for Papers](#)

[ACM Style  
Sheet](#)

[Important Dates](#)

[Paper Submission  
Program](#)

[Keynote  
Speech](#)

[Panel Session](#)

[Special Session](#)

[Presenter](#)

[Information](#)

[Program](#)

[Committee](#)

[Sponsors](#)

[Steering Committee](#)

[Registration](#)

### Registration

Each accepted paper must have at least one author registered by the advanced registration deadline, **21 September 2006**, for the paper to be included in the final conference program and the proceedings. Use the registration function of the ACM Multimedia Conference for the MIR Workshop registration.

**> Register Now <**

Copyright 2006 MIR









age retrieval-ÿð[ã,-) biomed-ÿð[;c-)al (eáimage-ÿð[)o -)andÿÿ-ÿÿÿ)B -)video-ÿð[f -) retrieval-ÿð[~,-) edu-ÿð[Mc-)ation,ÿÿ-ÿÿÿ)g -)sensor-ÿð[du n-)#e-ÿð[t-)works,ÿÿ-ÿÿÿ)z -ÿð[l-)arge)N-)s-ÿð[c-)aleÿÿ-ÿÿÿ)5 -)online-ÿð[s -)p-ÿð[e-)rsonalÿÿ-ÿÿÿ)p -)and-ÿð[B p-)#rofessionalÿÿ-ÿÿÿ)É -)photo-ÿð[i -)shar-ÿð[Li-)ngÿÿ-ÿÿÿ). -(sáco-ÿð[+m-) \$ munities,ÿÿ-ÿÿÿ)© -)classification-ÿð[ð -)an-ÿð[d-)

filteringÿÿ-ÿÿÿ)ÿ -)of-ÿð[& i-)mage-ÿð[bs-) onÿÿ-ÿÿÿ)9 -ÿð[t-)he We-ÿð[ub-),ÿÿ-ÿÿÿ) -) scientifi-ÿð[~c-) contentÿÿ-ÿÿÿ)' -(ÿð[r-)emot-ÿð[le-) sensingÿÿ-ÿÿÿ)• -)and-ÿð[B -(Áabiodiversity), compute-ÿð[(Îr-) forensic-ÿð[žs-),ÿÿ-ÿÿÿ) -)thr-ÿð[3e-)atÿÿ-ÿÿÿ)! -)assess-ÿð[pm-) \$entÿÿ-ÿÿÿ)8 -)a-ÿð[n-)dÿÿ-ÿÿÿ) -)security-ÿð[‘ -)applicationsÿÿ-ÿÿÿ)P -)m-ÿð[#o-)reÿÿ-ÿÿÿ)# -ÿð[g-)ene-ÿð[?r-)ally,ÿÿ-ÿÿÿ)P -ÿð[W-)7 e envisionÿÿ-ÿÿÿ)¼ -ÿð[m-) \$ore (áand mo-ÿð[†r-)eÿÿ-ÿÿÿ) -ÿð[r-)eal-ÿð[5--)worl-ÿð[Sd-) applicationsÿÿ-ÿÿÿ)é -)of-ÿð[& -)

multimediaÿÿ-ÿÿÿ)ÿ -)info-ÿð[Jrm-)4ationÿÿ-ÿÿÿ)\ -) retrieval-ÿð[~ -)to appea-ÿð[šr-) inÿÿ-ÿÿÿ)/ -)the-ÿð[8 -)comingÿÿ-ÿÿÿ)% -ÿð[y-)ears-ÿð[L-) Inÿÿ-ÿÿÿ)= -)this-ÿð[C -(8áworkshop-ÿð[‘ , -)w-ÿð[e -)!willÿÿ-ÿÿÿ)G -)bring-ÿð[a -)togetherÿÿ-ÿÿÿ)- -ÿð[a-)ctiveÿÿ-ÿÿÿ)Y -ÿð[r-)esea-ÿð[Nr-)chers-ÿð[‘ , -) d-ÿð["e-) velopers,ÿÿ-ÿÿÿ)! -)an-ÿð[d-) pr-ÿð[1a-) ctitionersÿÿ-ÿÿÿ)« -)fro-ÿð[5m-) \$ )both a-ÿð[qc-)ad-ÿð[e-)mia andÿÿ-ÿÿÿ)' -)the-ÿð[8 -(máindustry to showcas-ÿð[mLe-) latestÿÿ-ÿÿÿ)l -) technological-ÿð[÷ -)advance-ÿð[•s-) and toÿÿ-ÿÿÿ) } -)discuss-ÿð[... -)futureÿÿ-ÿÿÿ)m -)possibilities.-)pã)è -)p` >(á -ÿð[\*5W-) +eÿÿ-ÿÿÿ) -ÿð[a-)reÿÿ-ÿÿÿ)# -) soliciting-ÿð[~ -)highR-) quality submissions that: (1) pr-ÿð[(ÖÀe-)sentÿÿ-ÿÿÿ)J -)novel-ÿð[f -)andÿÿ-ÿÿÿ)B -ÿð[f-)reshÿÿ-ÿÿÿ)L -)id-ÿð[\$e-)as, (2)ÿÿ-ÿÿÿ)r -)question-ÿð[œ -)existingÿÿ-ÿÿÿ)' -)paradi-ÿð[rg-)ms, (áand/or (3) introduc-ÿð[(e-) bra-ÿð[Ev-)eÿÿ-ÿÿÿ) -)n-ÿð[ew-)6 -ÿð[r-)esea-ÿð[Nr-)chÿÿ-ÿÿÿ)+ -)dir-ÿð[3e-)ctions,-)p` >)y -(?áin the following -ÿð[(?(-)andÿÿ-ÿÿÿ)B -)othe-ÿð[Or-) relate-ÿð[pd-))ÿÿ-ÿÿÿ) -)topics-ÿð[n -)o-ÿð[f-) interest:-)p` >)ÿ , Symbol-(tá,ÑArialÑÑ-Mýð») Ú-) [Content‘-)based indexing, -ÿð[(ts-)ea-ÿð[r-)ch, andÿÿ-ÿÿÿ)ÿ), -ÿð[r-)etrievalÿÿ-ÿÿÿ)% -)o-ÿð[f-) multi-ÿð[lm-) \$ediaÿÿ-ÿÿÿ)L -)data-ÿð[™L -(©á,ÑArialÑÑ-Mýð») Ú-) [Imag-ÿð[le-),ÿÿ-ÿÿÿ) -)vide-ÿð[Oo-) and audioÿÿ-ÿÿÿ); -) similarity-ÿð[° m-) /easures-ÿð[™)† -(Yá,ÑÑ-Mýð») Ú-) [Su-ÿð[0m-) \$mari-ÿð[Sz-)ationÿÿ-ÿÿÿ)\ -)and-ÿð[B -) visualizationÿÿ-ÿÿÿ)è -)of-ÿð[& -) multimed-ÿð[¼a-) dataÿÿ-ÿÿÿ)W -)se-ÿð[&t-)s-p` >)-(á,ÑÑ-Mýð») Ú-) [Indexing an)Úd -ÿð["r-)etrievalÿÿ-ÿÿÿ)% -)o-ÿð[f-) stre-ÿð[Ma-)mingÿÿ-ÿÿÿ)^ -)audio-ÿð[f -)andÿÿ-ÿÿÿ)B -)video-ÿð[™)f -(Gá,ÑÑ-Mýð») Ú-) [Se-ÿð[m-) \$anticÿÿ-ÿÿÿ)Y -)content-ÿð[† -) analysis,ÿÿ-ÿÿÿ)ÿ -)classification-ÿð[ð -)an-ÿð[d-) annotation,ÿÿ-ÿÿÿ)Ø -ÿð[r-) epresentationÿÿ-ÿÿÿ)ô -)an-ÿð[d-) modeling-ÿð[™), -(á,ÑÑ-Mýð») Ú-) [L-ÿð[e-)arningÿÿ-ÿÿÿ)u -)and-ÿð[B -)releval-ÿð[on-)ce feed-ÿð[l,b-)ackÿÿ-ÿÿÿ)? -)in-ÿð[\$ -) multimed-ÿð[¼a-) retrie-ÿð[kv-)al-p` >)! -(°á,ÑÑ-Mýð») Ú-) [Us-ÿð[2e-)rÿÿ-ÿÿÿ) -)pers-ÿð[Lp-)ectivesÿÿ-ÿÿÿ) -)an-ÿð[d-) user modeling-p` >(°ó -(áá,ÑÑ-Mýð») Ú-) [Intelligent agents for-ÿð[á -) multimediaÿÿ-ÿÿÿ)ÿ -)ind;exing-ÿð[f -)andÿÿ-ÿÿÿ)B -)retr-ÿð[?i-)eva-ÿð[?l-p` >)-(á,ÑÑ-Mýð») Ú-) [Multimedia qu-ÿð[(e-)ryÿÿ-ÿÿÿ)& -)language-ÿð[ÿs-),ÿÿ-ÿÿÿ) -)qu-ÿð[e-)ryÿÿ-ÿÿÿ)& -)pro-ÿð[=c-)essingÿÿ-ÿÿÿ)s -)and-ÿð[B -)optimization-p` >)è -(Ná,ÑÑ-Mýð») Ú-) [Medi-ÿð[~a-) miningÿÿ-ÿÿÿ) -)fr-ÿð[o-)mÿÿ-ÿÿÿ)ÿ# -ÿð[s-)emiD-)structu-ÿð[r-)edÿÿ-ÿÿÿ)+ -)dat-ÿð[8a-) (video-ÿð[€-) ima-ÿð[Og-)e-ÿð[,-) audio, andÿÿ-ÿÿÿ)É -)doc-ÿð[Bu-)ments)-ÿð[™) | -(fá,ÑÑ-Mýð») Ú-) [E-ÿð[f-)ficientÿÿ-ÿÿÿ)u -)and-ÿð[B s-)calableÿÿ-ÿÿÿ)ÿ -)sto-ÿð[6r-)age andÿÿ-ÿÿÿ) -)se-ÿð[&a-)rchÿÿ-ÿÿÿ): -)t-ÿð[ e-)chniques-p` >)£ -(á,ÑÑ-Mýð») Ú-) [High p-ÿð[}e-)rfo-ÿð[5r-)man-ÿð[Nc-)eÿÿ-ÿÿÿ) -) algorithm-ÿð[2s-) forÿÿ-ÿÿÿ)@ -)distributed-ÿð[Á -)m)#ultimedia repositories -ÿð[(,Ga-)cces-ÿð[Ns-) ÿÿ-ÿÿÿ) -ÿð[™) -(á,ÑÑ-Mýð») Ú-) [Tools, -ÿð[~b-)ench-ÿð[Vm-) \$arks-ÿð[L,-) andÿÿ-ÿÿÿ)M -)stand-ÿð[aa-)rds-p` >)8 -(!á,ÑÑ-Mýð») Ú-) [E-)mergingÿÿ-ÿÿÿ) ~)qu-ÿð[e-)ryÿÿ-ÿÿÿ)& -)an-ÿð[d-) retrie-ÿð[kv-)alÿÿ-ÿÿÿ)! -)mo-ÿð[d-)els:ÿÿ-ÿÿÿ)@ -)beyond-ÿð[† -)clientÿÿ-ÿÿÿ)f -)a-ÿð[n-)dÿÿ-ÿÿÿ) -)server-ÿð[™)o -(Vá,ÑÑ-Mýð») Ú-) [Multi)f-)modal/multi)-)sensor fusion techniques-ÿð[™(Vw -(á,ÑÑ-Mýð») Ú-) [Applications of-ÿð[<l -) multimediaÿÿ-ÿÿÿ)ÿ -)inf-ÿð[3o-)r-ÿð[m-) \$ationÿÿ-ÿÿÿ)\ -) retrieval-ÿð[~ -)ji-ÿð[n-) an-ÿð[6y-) field-p` >)\_ (á -) \*5Imp-ÿð[Po-)rta-ÿð[:(n-)t Da-ÿð[Rt-)es:-)ÿð[™)5 -( )áJuly 5) o, 2)-006@-? pĐÁ)E <-ŠÿÄ11)K -)Submission deadline-ÿð[™( )-( )á July 25, 2006)-(ÿp“)ø <-ŠÿÄ11)4 -)Notification o-ÿð[ÿf-) a-ÿð[c-)ceptan-ÿð[wc-)e-p` >)-( ’áAugust 5-ÿð[!,-) 2006-ÿð[€)g <-ŠÿÄ11 -)C-ÿð[a-)mer-ÿð[Fa-)r-ÿð[e-)adyÿÿ-ÿÿÿ)B -)full-ÿð[@ -)pa-ÿð[p-)er-ÿð[™)# -(ÇáTh-ÿð[2e-) paper-ÿð[ps-) shouldÿÿ-ÿÿÿ)† -)be-ÿð[+ -) submittedÿÿ-ÿÿÿ)µ -)online-ÿð[s-) -ÿð[E-)achÿÿ-ÿÿÿ)? -ÿð[p-)ape-ÿð[?r-) shouldÿÿ-ÿÿÿ)† -)be-ÿð[+ -)no mor-ÿð[fe-) thanÿÿ-ÿÿÿ)Z -)10-ÿð[p-



## **MIR 2006 - 8<sup>th</sup> ACM SIGMM International Workshop on Multimedia Information Retrieval**

In conjunction with ACM Multimedia, October 2006, Santa Barbara, CA, USA

<http://riemann.ist.psu.edu/mir2006>

### **CALL FOR PAPERS**

Indexing and retrieval of large quantity of multimedia data is a highly challenging and growingly important research problem for the multimedia research community. Researchers in multimedia, databases, computer vision, machine learning, signal and image processing and statistics have worked on multimedia information retrieval for over a decade. A number of significant technological advances have been achieved in this field. Some of the techniques have been applied to real-world application areas such as art image retrieval, biomedical image and video retrieval, education, sensor networks, large-scale online personal and professional photo sharing communities, classification and filtering of images on the Web, scientific content (remote sensing and biodiversity), computer forensics, threat assessment and security applications more generally. We envision more and more real-world applications of multimedia information retrieval to appear in the coming years. In this workshop, we will bring together active researchers, developers, and practitioners from both academia and the industry to showcase latest technological advances and to discuss future possibilities.

We are soliciting high-quality submissions that: (1) present novel and fresh ideas, (2) question existing paradigms, and/or (3) introduce brave new research directions, in the following (and other related) topics of interest:

- Content-based indexing, search, and retrieval of multimedia data
- Image, video and audio similarity measures
- Summarization and visualization of multimedia data sets
- Indexing and retrieval of streaming audio and video
- Semantic content analysis, classification and annotation, representation and modeling
- Learning and relevance feedback in multimedia retrieval
- User perspectives and user modeling
- Intelligent agents for multimedia indexing and retrieval
- Multimedia query languages, query processing and optimization
- Media mining from semi-structured data (video, image, audio, and documents)
- Efficient and scalable storage and search techniques
- High performance algorithms for distributed multimedia repositories access
- Tools, benchmarks, and standards
- Emerging query and retrieval models: beyond client and server
- Multi-modal/multi-sensor fusion techniques
- Applications of multimedia information retrieval in any field

### **Important Dates:**

July 5, 2006	Submission deadline
July 25, 2006	Notification of acceptance
August 5, 2006	Camera-ready full paper

The papers should be submitted online. Each paper should be no more than 10 pages prepared in the ACM style and written in acceptable English. All submissions will be peer-reviewed by at least 3 members of the program committee. The workshop proceedings will be printed by ACM and indexed in the ACM Digital Library.

### **Chairs:**

#### **James Z. Wang**

The Pennsylvania State University, USA  
(Office) +1-814-865-7889  
[jwang@ist.psu.edu](mailto:jwang@ist.psu.edu)  
<http://wang.ist.psu.edu>

#### **Nozha Boujemaa**

INRIA Rocquencourt, France  
(Office) +33-1 39 63 51 54  
[nozha.boujemaa@inria.fr](mailto:nozha.boujemaa@inria.fr)  
<http://www-rocq.inria.fr/~boujemaa>



MIR



© QT Luong / terragalleria.com

2006

## 8th ACM SIGMM International Workshop on Multimedia Information Retrieval

*In conjunction with ACM Multimedia 2006  
October 26-27, 2006, Santa Barbara, CA, USA*

[Home](#)
[Call for Papers](#)
[ACM Style  
Sheet](#)
[Important Dates](#)
[Paper Submission  
Program](#)
[Keynote](#)
[Speech](#)
[Panel Session](#)
[Special Session](#)
[Presenter](#)
[Information](#)
[Program](#)
[Committee](#)
[Sponsors](#)
[Steering Committee](#)
[Registration](#)

### Special Sessions

#### Call for Special Sessions MIR 2006

ACM Multimedia Information Retrieval (MIR) workshop 2006 will include two special sessions into the program. Work included in special sessions are expected to represent the state-of-the-art and important research directions in multimedia information retrieval.

Each special session will contain 5 invited papers. The session organizer will be responsible to the selection of these papers. The session can begin with an overview paper on the topic being addressed and will continue with the remaining papers on technical contributions on the topic.

The following information should be included in the session proposal:

- Title of the proposed session
- Names/affiliation of organizer(s) (including brief bio and contact info)
- Session abstract (state significance of topic and rationale for proposed session)
- List of invited contributions, each with
  - Author names
  - A tentative title
  - A 700-to-1000-word abstract

Proposals will be evaluated based on the timeliness of the topic and relevance to MIR, as well as the qualifications of the organizers and quality of papers in the proposed session. Please note that all proposals will be peer-reviewed by experts in the field to ensure that contributions are of highest quality. If a proposal is

not accepted, papers in that proposal can still be submitted to the regular session by the deadline of 5 July 2006.

The organizers of an accepted special session will be responsible for the quality of the final papers included in the session.

### **Important Dates**

1 May 2006: Special session proposals due

15 May 2006: Decisions made on special session proposals

1 July 2006: Submission of manuscripts to the chair of the special sessions

15 July 2006: Feedbacks on the manuscripts provided by the chair

August 5 2006: Final camera-ready manuscripts due

### **Submission Procedure for Special Sessions**

Proposal adhering to the above requirements should be sent by email to Nicu Sebe (nicu at science.uva.nl). All the papers in the special sessions should follow the same style as the regular MIR papers. More details on <http://riemann.ist.psu.edu/mir2006/>

#### Nicu Sebe

University of Amsterdam

(Office) +31-20-5257552

(Fax) +31-20-5257490

(email) nicu AT science.uva.nl

(Web) <http://www.science.uva.nl/~nicu>