MIR2003

5th ACM SIGMM International Workshop on Multimedia Information Retrieval
November 7, 2003, Berkeley, CA, USA

in conjunction with [ACM Multimedia 2003](#)

GENERAL INFORMATION

The ongoing expansion of the information highway and the associated increase in multimedia content in databases, broadcasts, streaming media etc. has generated new requirements for more effective access to these giant global information repositories. Content extraction, indexing, and retrieval of multimedia data continues to be one of the most challenging and fastest-growing research areas.

Following the success of the four previous MIR workshops held in conjunction with the ACM Multimedia Conferences, the purpose of the 5th ACM SIGMM International Workshop on Multimedia Information Retrieval (MIR 2003) 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.

The best papers will be selected for a Special Issue of the [ACM Multimedia Systems Journal](#).

Keynote Address

Prof. David Forsyth of UC Berkeley.

Workshop Co-Chairs

- Nicu Sebe, University of Amsterdam, The Netherlands (nicu@science.uva.nl)
- Michael Lew, LIACS Media Lab, The Netherlands (mlew@liacs.nl)
- Chabane Djeraba, LIFL, France (djeraba@lifl.fr)

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Call for Papers

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November 7, 2003
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Important Dates:

August 8:   Submission of full paper (extended)
September 1, 2003:   Notification of acceptance
September 15, 2003:   Camera-ready full paper

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Content-based indexing, search, and retrieval of multimedia data
Multimedia data modeling and visualization
Automated semantic annotation
Metadata for multimedia retrieval
Multi-modal human-computer interaction
Query languages and query processing for multimedia retrieval
Multimedia and media mining
User perspectives and user modeling for multimedia retrieval
Semantic content analysis
Intelligent agents for multimedia indexing and retrieval
Tools, benchmarks, and standards
Multimedia retrieval for pervasive devices
New media types and new applications
Multi-modal event detection and recognition
Multi-modal/Multi-sensor fusion techniques

Keynote Address

Prof. David Forsyth of UC Berkeley.

Paper Submission

Email full papers (no longer than 8 pages in the [ACM style sheet] in English), to

[lim@liacs.nl]

with the following information:

Call for Papers

(1) Title of paper & short abstract summarizing the main contribution
(2) Names and contact info of all authors, also specifying the contact author.
(3) The paper in postscript or PDF format.

All submissions will be peer-reviewed by at least 3 members of the program committee.
The workshop proceedings will be printed and appear in the ACM Digital Library.

Important Dates

August 8, 2003: Submission of full paper (extended)
September 5, 2003: Notification of acceptance (extended)
September 15, 2003:   Camera-ready full paper

Presenter Information

All of the talks were designated by the PC Committee as either Oral or Poster Presentation. The type of talk was mentioned in the acceptance email sent to you and also can be verified on the MIR website. The instructions for both the oral and poster presentations are given in this document.

"ORAL PRESENTATION" INSTRUCTIONS:

PRESENTING YOUR PAPER
You should be present in the room in time for your presentation, from where you will be called to the stage by the Session Chair. Your presentation should last around 20 minutes (17 minutes for the talk and 3 minutes for questions). Please remember to keep an eye on the Session Chair, who will give you a signal when the time is approaching to bring your presentation to a close. The order of the talks is given on the MIR website.

EQUIPMENT
The following equipment will be available in the room: data projector and an overhead projector. Note that an internet connection will also be provided.

"POSTER PRESENTATION" INSTRUCTIONS:

The Poster Display will take place in the the same room as the oral presentations. There will be only one Poster Session which begins at 10:00am. Please arrange you poster before the start of the keynote address (between 8:00am and 8:30am).

EXHIBITION PANELS
We will provide tripods on which to display your poster and a 2'x 3' (i.e., 24x36 inches or 60x91 cm) cardboard poster board. Each presenter will have *one* tripod/poster board on which to display his material. We recommend that authors print their material on standard pages which can then be taped or glued to the poster board. You can arrange the poster board either in portrait (2' wide by 3' tall) or landscape (3' wide by 2' tall) mode.

"BOASTER SESSIONS"
The Poster Session will be preceded by a "Boaster" Session – this will be your chance to inform your audience about the display you have provided. Presenters will be invited to the stage to speak to delegates for one minute only. You may use a single overhead transparency to illustrate your talk if you wish. The persons nominated to "boast" about your display should make their way to the side of the stage as quickly as possible at the beginning of the session, and form an orderly queue! You will then be invited to the stage, as a group, by the Session Chair.

Tentative MIR03 Program

8.30 - 9.30   Keynote address: Words, Pictures, and Video

David Forsyth, University of California, Berkeley

9.30 - 10.00   "Boaster" Session

10.00 - 11.20   Coffee and Poster Session

Creating Data Resources for Designing User-centric Front-ends for Query by Humming Systems
  Erdem Unal, S.S. Narayanan, H.-H. Shih, and Elaine Chew

Semantic-meaningful Content-based Image Retrieval in Wavelet Domain
  Yongqing Sun and Shinji Ozawa

Distance Measures for MPEG-7-based Retrieval
  Horst Eidenberger

Efficient Contour-based Shape Representation and Matching
  Tomasz Adamek and Noel O'Connor

Generic Sign Board Detection in Images
  Hua Shen and Xiaoou Tang

Query Definition Using Interactive Saliency
  Giang P. Nguyen and Marcel Worring

Fuzzy Color Quantization and Its Applications to Scene Change Detection
  Fu-Lai Chung and Benny Y.M. Fung

Efficient k-NN Search in Polyphonic Music Databases Using a Lower Bounding Mechanism
  Ning-Han Liu, Yi-Hung Wu, and Arbee L.P. Chen

Multimedia Modeling Using MPEG-7 for Authoring Multimedia Integration
  Tien Tran Thuong and Cecile Roisin

Repeated Utterance Extraction by a New Algorithm for Labeling a Presentation Speech
  Yoshiaki Itoh, Kazuyo Tanaka, and Shi-Wook Lee

An Analysis of Multimedia Searching on Alta Vista
  Bernard J. Jansen, Amanda Spink, and Jan Pedersen

Content-based Image Retrieval by Clustering
  Yixin Chen, James Z. Wang, and Robert Krovetz

Sports Video Summarization Using Highlights and Play-breaks
  Dian Tjondronegoro, Yi-Ping Phoebe Chen, and Binh Pham

Highlight Scene Extraction in Real Time from Baseball Live Video
  Yasuo Ariki, Masahito Kumano, and Kiyoshi Tsukada

Model Checking for Detection of Sport Highlights
  Marco Bertini, Alberto Del Bimbo, and Walter Nunziati

DAVE - A System for Quality Driven Adaptive Video Delivery
  Surya Nepal and Uma Srinivasan

A Wireless Handheld Multi-modal Digital Video Library Client System
  Michael R. Lyu, Edward Yau, and Sam Sze

Threading News Video Topics
    Iciro Ide, Hiroshi Mo, Norio Katayama, and Shin'ichi Satoh

Multimedia Streaming Services - Specification, Implementation, and Retrieval
    Bjorn Althun and Martin Zimmermann

Replication Algorithms to Retrieve Scalable Streaming Media over Content Delivery Network
    Zhou Su, Jiro Katto, and Yasuhiko Yasuda

Fast Video Matching with Signature Alignment
    Tim Hoad and Justin Zobel

11.20 - 13.00   Oral Session I - Video Retrieval

The Family Video Archive - An Annotation and Browsing Environment for Home Movies
    Gregory Abowd, Matthias Gauger, and Andreas Lachenmann

Semantic Video Classification by Integrating Flexible Gaussian Mixture Model with Adaptive EM Algorithm
    Jianping Fan, Hangzao Luo, and Xiaodong Lin

Semi-supervised Learning for Facial Expression Recognition
    Ira Cohen, Nicu Sebe, Fabio Cozman, and Thomas S. Huang

Design, Implementation, and Testing of an Interactive Video Retrieval System
    Georgina Gaughan, Alan F. Smeaton, Cathal Gurrin, Hyowon Lee, and Kieran McDonald

Context-based Video Retrieval System for the Life-log Applications
    Tetsuro Hori and Kiyoharu Aizawa

13.00 - 14.00 Bufet Lunch

14.00 - 15.40   Oral Session II - Image Retrieval

Retrieving 3D Shapes Based on Their Appearance
    Ryutarou Ohbuchi, Masatoshi Nakazawa, and Tsuyoshi Takei

Modeling and Clustering of Consumer Photo Capture Streams
    Ullas Gargi

A Bootstrapping Approach to Annotating Large Image Collection
    HuaMin Feng and Tat-Seng Chua

Content Representation and Similarity Matching for Texture-based Image Retrieval
    Noureddine Abbadeni

Addressing CBIR Efficiency, Effectiveness, and Retrieval Subjectivity Simultaneously
    Ruofei Zhang and Zhongfei (Mark) Zhang

15.40 - 16.00   Coffee

16.00 - 17.40 Oral Session III - Applications

Fast Retrieval of High-Dimensional Feature Vectors in P2P Networks Using Compact Peer Data Summaries
    Wolfgang Muller and Andreas Henrich

Annodex - A Simple Architecture to Enable Hyperlinking, Search & Retrieval of Time-Continuous Data on the Web
    Silvia Pfeiffer, Conrad Parker, and Claudia Schremmer

An Evolutionary Optimization Approach for 3D Human Head Model Classification
    Hau-San Wong, Kent K.T. Cheung, and Horace H.S. Ip

A Wavelet Packet Representation of Audio Signals for Music Genre Classification Using Different Ensemble and Feature Selection Techniques
  Marco Grimaldi, Padraig Cunningham, and Anil Kokaram

Semantic Context Detection based on Hierarchical Audio Models
  Wen-Huang Cheng, Wei-Ta Chu, and Ja-Ling Wu

17.40 - 18.40   Panel Session: Multimedia Information Retrieval - Promises and Challenges - Pointers for the Future
                Chabane Djeraba, LIFL, France (organizer)

Organizing Committee

General Co-Chairs

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Alberto Del Bimbo, University of Florence, Italy
Shih-Fu Chang, Columbia University, USA
Mohamed Daoudi, ENIC/INT, France
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Alan Smeaton, Dublin City University, Ireland
Arnold Smeulders, University of Amsterdam, The Netherlands
John R. Smith, IBM Research, USA
Hari Sundaram, Arizona State University, USA
Qi Tian, University of Texas at San Antonio, USA
Svetha Venkatesh, Curtin University of Technology, Australia
Guangyou Xu, Tsinghua University, China
HongJiang Zhang, Microsoft Research Asia, China
Xiang (Sean) Zhou, Siemens Research, USA