

CIVR 2003 Program

Wednesday July 23, 2003

17.30 - 19.30 Welcome Reception and Registration

Day 1 Thursday July 24, 2003

8.00 - 8.55 Continental Breakfast and Registration

8.55 - 9.10 Welcome to CIVR 2003

Thomas Huang and Michael Lew

9.10 - 10.10 Keynote address: Multimedia Content Analysis - The Next Wave

Nevenka Dimitrova, Philips Research

10.10 - 10.30 Coffee

10.30 - 12.10 Oral Session I - Image Retrieval I

Shape Feature Matching for Trademark Image Retrieval

J. Eakins, K. Jonathan Riley, and J. D. Edwards

Central Object Extraction for Object-Based Image Retrieval

S. Kim, S. Park, and M. Kim

Learning Optimal Representations for Image Retrieval Applications

X. Liu, A. Srivastva, and D. Sun

A Closer Look at Boosted Image Retrieval

N. Howe

HPAT Indexing for Fast Object/scene Recognition Based on Local Appearance

H. Shao, T. Svoboda, T. Tuytelaars, and L. van Gool

12.10 - 12.25 "Boaster" Session 1

12.25 - 13.40 Lunch and Poster Session 1

Associating Cooking Video Segments with Preparation Steps

K. Miura, R. Hamada, I. Ide, S. Sakai, and H. Tanaka

Performance Comparison between Different Similarity Models for CBIR with Relevance Feedback

D. Heesch, A. Yavlinski, and S. Ruger

Evaluation of Expression Recognition Techniques

I. Cohen, N. Sebe, Y. Sun, M. Lew, and T. Huang

Hierarchical Clustering-Merging in Multidimensional Index Structures

Z. Chen, J. Ding, M. Zhang, and W. Tavanapong

A Hybrid Framework for Detecting the Semantics of Concepts and Context

M. Naphade and J.R. Smith

Learning in Region-based Image Retrieval

F. Jing, M. Li, L. Zhang, H-J. Zhang, and B. Zhang

A Novel Scheme for Video Similarity Detection

C-H. Hoi, W. Wang, and M. Lyu

Integrated Image Content and Metadata Search and Retrieval Across Multiple Databases

M. Addis, M. Boniface, S. Goodall, P. Grimwood, S. Kim, P. Lewis, K. Martinez, and A. Stevenson

Content-based Retrieval of Historical Watermark Images: II - Electron Radiographs

K. Jonathan Riley, J.D. Edwards, and J. Eakins

Robust Content-based Video Copy Identification in a Large Reference Database

A. Joly, C. Frelicot, and O. Buisson

A Compact Shape Descriptor Based on the Beam Angle Statistics

N. Arica and F. Yarman-Vural

EBS k-d tree: An Entropy Balanced Statistical k-d Tree for Image Databases with Ground-Truth Labels

G.J. Scott and C-R. Shyu

Improving Fractal Codes Based Image Retrieval Using Histogram of Collage Errors

M.H. Pi, C.S. Tong, and A. Basu

Efficient Similar Trajectory-based Retrieval for Moving Objects in Video Databases

C-B. Shim and J-W. Chang

13.40 - 15.20 Oral Session II - Video Retrieval

Combining Multiple Features in Temporal Models for the Representation of Visual Contents in Video

J. Sanchez, X. Binefa, and J.R. Kender

Detection of Documentary Scene Changes by Audio-visual Fusion

A. Velivelli, C-W. Ngo, and T.S. Huang

Multimedia Search with Pseudo-Relevance Feedback

R. Yan, A. Hauptmann, and R. Jin

Modal Keywords, Ontologies, and Reasoning For Video Understanding

A. Jaimes, B. Tseng, and J.R. Smith

Detecting Semantic Concepts from Video Using Temporal Gradients and Audio Classification

M. Rautianen, T. Seppanen, J. Pentilla, and J. Peltola

15.20 - 15.40 Coffee

15.40 - 17.20 Oral Session III - Applications

Audio-based Event Detection for Sports Video

M. Baillie and J. Jose

Spectral Structuring of Home Videos

J-M. Odobez, D. Gatica-Perez, and M. Guillemot

Home Photo Retrieval - Time Matters

P. Mulhem and J-H. Lim

Automatic Annotation of Tennis Action for Content-based Retrieval by Integrated Audio and Visual Information

H. Miyamori

Indexing of Personal Video Captured by a Wearable Imaging System

Y. Sawahata and K. Aizawa

17.20 - 17.35 "Boaster" Session 2**17.35 - 18.55 Drinks Reception and Poster Session II**

Video Retrieval of Human Interactions Using Model-based Motion Tracking and Multi-layer Finite State Automata

S. Park, J. Park, and J.K. Aggarwal

ANSES - Summarisation of News Video

M. Pickering, L. Wong, and S. Ruger

Fast Video Retrieval Under Sparse Training Data

Y. Liu and J.R. Kender

Constructive Learning Algorithm-based RBF Network for Relevance Feedback in Image Retrieval

F. Qiang, B. Zhang, and F. Lin

Spatial-temporal Semantic Grouping of Instructional Video Content

T. Liu and J. Kender

Fast Search in Large-scale Image Database Using Vector Quantization

H. Ye and G. Xu

Speaker Localisation Using Audio-visual Synchrony - An Empirical Study

H. Njok, G. Iyengar, and C. Neti

Spatio-temporal Decomposition of Sport Events for Video Indexing

L. Barcelo, X. Oriols, and X. Binefa

Multilevel Relevance Judgment, Loss Function, and Performance Measure in Image Retrieval

H. Wu, H. Lu, and S. Ma

Audio-assisted Scene Segmentation for Story Browsing

Y. Cao, W. Tavanapong, and K. Kim

Selection of The Best Representative Feature And Membership Assignment For Content-Based Fuzzy Image Database

M. Uysal and F. Yarman-Vural

Concept-based Retrieval of Art Documents

J. Lay and L. Guan

Majority Based Ranking Approach in Web Image Retrieval

G. Park, Y. Baek, and H-K. Lee

An Efficiency Comparison of Two Content-based Image Retrieval Systems, GIFT and PicSOM

M. Rummukainen, J. Laaksonen, and M. Koskela

19.30 - Dinner

Day 2 Friday July 25, 2003

8.00 - 8.55 Continental Breakfast and Registration

9.00 - 10.00 Keynote address : Insights in Image and Video Retrieval

Ramesh Jain, Georgia Tech

10.00 - 10.20 Coffee break

10.20 - 11.30 Panel Session I: Experiential Systems

Hari Sundaram, Arizona State University (organizer)

11.30 - 12.30 User Research/Studies Session

A State Transition Analysis of Image Search Patterns on the Web

A. Goodrum

Text or Pictures? An Eyetracking Study of How People View Digital Video Surrogates

A. Hughes

Towards a Comprehensive Survey of the Semantic Gap in Visual Image Retrieval

P. Enser and C. Sandom

12.30 - 14.00 Lunch

14.00 - 15.00 Invited Talk: TRECVID - Benchmarking the Effectiveness of Information Retrieval Tasks on Digital Video

Alan Smeaton, Dublin City University

15.00 - 15.20 Coffee break

15.20 - 16.20 Invited Talk: Thesauri for Visual Content - Supporting the Changing Search and Retrieval Requirements of a Visual Content Customer

Chris Porter, Getty Images

16.20 - 17.30

Panel Session II: Evaluating Video Navigation - Pointers for the Future

Alan Smeaton, Dublin City University (organizer)

18.30 - Dinner