

# **CIVR 2002**

## **Programme**

### **Day 1 Thursday July 18, 2002**

**9.00 - 9.30 Registration**

**9.30 - 10.30 Keynote address**

Content-based Image Retrieval at the End of the Early Years  
Arnold Smeulders, University of Amsterdam

**10.30 - 10.50 Coffee:**

**10.50 - 12.30 Submitted papers Session 1 - Image Retrieval I**

Visualization, Estimation and User-Modeling for Interactive Browsing of Image Libraries  
Qi Tian, Baback Moghaddam, and Thomas Huang

Robust Shape Matching  
Nicu Sebe and Michael Lew

Semantics Based Image Retrieval by Region Saliency  
Wei Wang, Yuqing Song and Aidong Zhang

The Truth About Corel - Evaluation in Image Retrieval  
Henning Muller, Stephane Marchand-Maillet and Thierry Pun

Non-Retrieval: Blocking Pornographic Images  
Alison Bosson, Gavin Cawley, Yi Chan and Richard Harvey

**12.30 - 12.45 "Boaster" Session 1**

**12.45 - 14.00 Lunch and Poster Session 1**

**Image/Video Retrieval Poster Session 1**

A Linear Image-Pair Model and the Associated Hypothesis Test for Matching  
G. Cox, G. de Jager

Query by Fax for Content-Based Image Retrieval  
M.F.A. Fauzi, P.H. Lewis

On the Coupled Forward and Backward Anisotropic Diffusion Scheme for Color  
Image Enhancement  
B. Smolka, K.N. Plataniotis

Spectrally Layered Color Indexing  
G. Qiu, K.-M. Lam

Atomsnet: Multimedia Peer 2 Peer for File Sharing  
W. de Bruijn, M.S. Lew

Using an Image Retrieval System for Vision-Based Mobile Robot Localization

J. Wolf, W. Burgard, H. Burkhardt

Multiple Regions and Their Spatial Relationship-Based Image Retrieval

B.C. Ko, H. Byun

Visual Clustering of Trademarks Using the Self-Organizing Map

M. Hussain, J. Eakins, G. Sexton

JPEG Image Retrieval Based on Features from DCT Domain

G. Feng, J. Jiang

Image Retrieval Methods for a Database of Funeral Monuments

A.J. Howell, D.S. Young

FACERET: An Interactive Face Retrieval System Based on Self-Organizing Maps

J. Ruiz-del-Solar, P. Navarrete

Object-Based Image Retrieval Using Hierarchical Shape Descriptor

M.-W. Leung, K.-L. Chan

#### **14.00 - 15.20 Submitted papers, Session 2 - Video Retrieval**

Multimodal Person Identification in Movies

Jeroen Vendrig and Marcel Worring

Automated Scene Matching in Movies

Frederik Schaffalitzky and Andrew Zisserman

Content Based Analysis for Video from Snooker Broadcasts

H. Denman, N. Rea and A.Kokaram

Retrieval of Archival Moving Imagery - CBIR Outside the Frame?

P.G.B. Enser and C.J. Sandom

#### **15.20 - 15.40 Tea**

#### **15.40 - 17.00 Submitted papers, Session 3 - Image Retrieval II**

Spin Images and Neural Networks for Efficient Content-Based Retrieval in 3D Object Databases

Pedro A de Alarcon, Alberto D. Pascual-Montano, Jose M. Carazo

Size Functions for Image Retrieval: A Demonstrator on Randomly Generated Curves

A. Brucale, M. d'Amico, M. Ferri, L. Gualandri, A. Lovato

An Efficient Coding of Three-Dimensional Colour Distributions for Image Retrieval

Jeff Berens and Graham D. Finlayson

Content Based Retrieval of Historical Watermark Images: I - Tracings

K. Jonathan Riley and John P. Eakins

**17.00 - 17.15 "Boaster" Session 2**

**17.15 - 18.30 Drinks Reception and Poster Session 2**

**Image/Video Retrieval Poster Session 2**

Object Recognition for Video Retrieval

R. Visser, N. Sebe, E.M. Bakker

Semantic Video Retrieval Using Audio Analysis

E.M. Bakker, M.S. Lew

Extracting Semantic Information from Basketball Video Based on Audio-Visual Features

K. Kim, J. Choi, N. Kim, P.K. Kim

Local Affine Frames for Image Retrieval

S. Obdrzalek, J. Matas

A Method for Evaluating the Performance of Content-Based Image Retrieval Systems Based on Subjectively Determined Similarity Between Images

J.A. Black, G. Fahmy, S. Panchanathan

A Ranking Algorithm Using Dynamic Clustering for Content-Based Image Retrieval

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

Evaluation of Salient Point Techniques

N. Sebe, Q. Tian, E. Loupiaz, M.S. Lew, T.S. Huang

Video Indexing and Retrieval for Archeological Digital Library, CLIOH

J. Huang, D. Umamaheswaran, M. Palakal

Personal Construct Theory as a Research Tool for Analysing User Perceptions of Photographs

M.A. Burke

Online Bayesian Video Summarization and Linking

X. Orriols, X. Binefa

Fast k-NN Image Search with Self-Organizing Maps

K.S. Oh, A. Zaher, P.K. Kim

Video Retrieval by Feature Learning in Key Frames

M.J. Pickering, S.M. Ruger, D. Sinclair

Face Detection for Video Summaries

J.E. Viallet, O. Bernier

**Day 2 Friday July 19, 2002**

**9.00 - 9.30 Registration**

**9.30 -10.30 Keynote address**

[Information Retrieval and Summarization from Video](#)

Alexander Hauptmann, Carnegie Mellon University.

**10.30 11.00 Coffee break**

**11.00 -12.00 Bringing research into the marketplace**

[The added-value of CBIR technology in a business context: a case for cooperation between business and research](#)

Sebastien Gilles, LTU Technologies

[CBIR - Why & What For?](#)

Nic Sheen, iBase Ltd

**12.00 13.00 The User and CBIR**

[Visual Searching: Finding What You Want \(and What You Don't Want!\)](#)

Margaret Graham and Annette Ward, University of Northumbria

[A Review of the ARTISTE Project](#)

James Stevenson, V&A

**13.00 - 14.00 Lunch**

**14.00 - 15.30 Video Indexing and Retrieval**

[Challenges for Content-based Navigation of Digital Video in the Fischlar Digital Library](#)

Alan Smeaton, Dublin City University

[The future of video indexing in the BBC](#)

Chris Wilkie, BBC Information Archives

[The Challenges of Video Indexing and Retrieval Within a](#)

Commercial Environment

Chris Porter, Getty Images

**15.30 16.00 Tea break**

**16.00 - 16.45      Semantic Image Retrieval**

[Bridging the Semantic Gap](#) A discussion session on the way ahead

John Eakins, University of Northumbria with a panel of international experts planned to include Thomas Huang, University of Illinois and Sethuraman Panchanathan, University of Arizona

**16.45 -17.00      Closing Remarks**

John Eakins, University of Northumbria

**End of Conference**