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# Advances in Visual Information Systems

9th International Conference, VISUAL 2007  
Shanghai, China, June 28-29, 2007  
Revised Selected Papers

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Library of Congress Control Number: 2007940861

CR Subject Classification (1998): I.4, I.5, I.2.6-10, I.3, H.3, H.5, H.2

LNCS Sublibrary: SL 6 – Image Processing, Computer Vision, Pattern Recognition, and Graphics

ISSN 0302-9743  
ISBN-10 3-540-76413-5 Springer Berlin Heidelberg New York  
ISBN-13 978-3-540-76413-7 Springer Berlin Heidelberg New York

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Printed in Germany

Typesetting: Camera-ready by author, data conversion by Scientific Publishing Services, Chennai, India  
Printed on acid-free paper SPIN: 12177349 06/3180 5 4 3 2 1 0

# Preface

The Visual Information Systems International Conference series is designed to provide a forum for researchers and practitioners from diverse areas of computing including computer vision, databases, human–computer interaction, information security, image processing, information visualization and mining, as well as knowledge and information management to exchange ideas, discuss challenges, present their latest results and to advance research and development in the construction and application of visual information systems. Following previous conferences held in Melbourne (1996), San Diego (1997), Amsterdam (1999), Lyon (2000), Taiwan (2002), Miami (2003), San Francisco (2004) and Amsterdam (2005), the Ninth International Conference on Visual Information Systems, VISUAL2007, was held in Shanghai, China, June 28–29, 2007.

Over the years, the visual information systems paradigm continues to evolve, and the unrelenting exponential growth in the amount of digital visual data underlines the escalating importance of how such data are effectively managed and deployed. VISUAL2007 received 117 submissions from 15 countries and regions. Submitted full papers were reviewed by more than 60 international experts in the field. This volume collects 54 selected papers presented at VISUAL2007. Topics covered in these papers include image and video retrieval, visual biometrics, intelligent visual information processing, visual data mining, ubiquitous and mobile visual information systems, visual semantics, 2D/3D graphical visual data retrieval and applications of visual information systems.

Two distinguished researchers delivered keynote talks at VISUAL2007. Wei-Ying Ma from Microsoft Research Asia gave a talk on “The Challenges and Opportunities of Mining Billions of Web Images for Search and Advertising.” Michael Lew from Linden University, The Netherlands, gave a talk on “Visual Information Retrieval: Grand Challenges and Future Directions.”

We would like to thank Hong Lu, Yue-Fei Guo and their team for the significant organization effort that they put in. We are grateful to the Department of Computer Science and Engineering, Fudan University for hosting the conference. In particular, we would like to express our gratitude to members of the Program Committee for their part in reviewing the papers to ensure a high-quality and successful conference.

September 2007

Guoping Qiu  
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# Table of Contents

## Keynote Paper

Visual Information Retrieval – Future Directions and Grand Challenges .....	1
<i>Michael Lew</i>	

## Image and Video Retrieval

Approximation-Based Keypoints in Colour Images – A Tool for Building and Searching Visual Databases .....	5
<i>Andrzej Sluzek</i>	
A Knowledge Synthesizing Approach for Classification of Visual Information .....	17
<i>Le Dong and Ebroul Izquierdo</i>	
Image Similarity – From Fuzzy Sets to Color Image Applications .....	26
<i>Mike Nachtgael, Stefan Schulte, Valerie De Witte, Tom Mélange, and Etienne E. Kerre</i>	
A Semi-automatic Feature Selecting Method for Sports Video Highlight Annotation .....	38
<i>Yanran Shen, Hong Lu, and Xiangyang Xue</i>	
Face Image Retrieval System Using TFV and Combination of Subimages .....	49
<i>Daidi Zhong and Irek Defée</i>	
Near-Duplicate Detection Using a New Framework of Constructing Accurate Affine Invariant Regions .....	61
<i>Li Tian and Sei-ichiro Kamata</i>	
Where Are Focused Places of a Photo? .....	73
<i>Zhijun Dai and Yihong Wu</i>	
Region Based Image Retrieval Incorporated with Camera Metadata ....	84
<i>Jie Ma, Hong Lu, and Yue-Fei Guo</i>	
Empirical Investigations on Benchmark Tasks for Automatic Image Annotation .....	93
<i>Ville Viitaniemi and Jorma Laaksonen</i>	
Automatic Detection and Recognition of Players in Soccer Videos .....	105
<i>Lamberto Ballan, Marco Bertini, Alberto Del Bimbo, and Walter Nunziati</i>	

A Temporal and Visual Analysis-Based Approach to Commercial Detection in News Video .....	117
<i>Shijin Li, Yue-Fei Guo, and Hao Li</i>	
Salient Region Filtering for Background Subtraction .....	126
<i>Wasara Rodhetbhai and Paul H. Lewis</i>	
A Novel SVM-Based Method for Moving Video Objects Recognition ....	136
<i>Xiaodong Kong, Qingshan Luo, and Guihua Zeng</i>	
Image Classification and Indexing by EM Based Multiple-Instance Learning .....	146
<i>Hsiao T. Pao, Yeong Y. Xu, Shun C. Chuang, and Hsin C. Fu</i>	

## Visual Biometrics

Palm Vein Extraction and Matching for Personal Authentication .....	154
<i>Yi-Bo Zhang, Qin Li, Jane You, and Prabir Bhattacharya</i>	
A SVM Face Recognition Method Based on Optimized Gabor Features .....	165
<i>Linlin Shen, Li Bai, and Zhen Ji</i>	
Palmprint Identification Using Pairwise Relative Angle and EMD .....	175
<i>Fang Li, Maylor K.H. Leung, and Shirley Z.W. Tan</i>	
Finding Lips in Unconstrained Imagery for Improved Automatic Speech Recognition .....	185
<i>Xiaozheng Jane Zhang, Higinio Ariel Montoya, and Brandon Crow</i>	

## Intelligent Visual Information Processing

Feature Selection for Identifying Critical Variables of Principal Components Based on K-Nearest Neighbor Rule .....	193
<i>Yun Li and Bao-Liang Lu</i>	
Denoising Saliency Map for Region of Interest Extraction .....	205
<i>Yandong Guo, Xiaodong Gu, Zhibo Chen, Quqing Chen, and Charles Wang</i>	
Cumulative Global Distance for Dimension Reduction in Handwritten Digits Database .....	216
<i>Mahdi Yektaei and Prabir Bhattacharya</i>	
A New Video Compression Algorithm for Very Low Bandwidth Using Curve Fitting Method .....	223
<i>Xianping Fu, Dequn Liang, and Dongsheng Wang</i>	



The Influence of Perceived Quality by Adjusting Frames Per Second and Bits Per Frame Under the Limited Bandwidth .....	230
<i>Huey-Min Sun, Yung-Chuan Lin, and LihChyun Shu</i>	

An Evolutionary Approach to Inverse Gray Level Quantization .....	242
<i>Ivan Gerace, Marcello Mastroleo, Alfredo Milani, and Simona Moraglia</i>	

## Visual Data Mining

Mining Large-Scale News Video Database Via Knowledge Visualization .....	254
<i>Hangzai Luo, Jianping Fan, Shin'ichi Satoh, and Xiangyang Xue</i>	

Visualization of the Critical Patterns of Missing Values in Classification Data .....	267
<i>Hai Wang and Shouhong Wang</i>	

Visualizing Unstructured Text Sequences Using Iterative Visual Clustering .....	275
<i>Qian You, Shiaofen Fang, and Patricia Ebright</i>	

Enhanced Visual Separation of Clusters by M-Mapping to Facilitate Cluster Analysis .....	285
<i>Ke-Bing Zhang, Mehmet A. Orgun, and Kang Zhang</i>	

Multimedia Data Mining and Searching Through Dynamic Index Evolution .....	298
<i>Clement Leung and Jiming Liu</i>	

## Ubiquitous and Mobile Visual Information Systems

Clustering and Visualizing Audiovisual Dataset on Mobile Devices in a Topic-Oriented Manner .....	310
<i>Lei Wang, Dian Tjondrongoro, and Yuee Liu</i>	

Adaptive Video Presentation for Small Display While Maximize Visual Information .....	322
<i>Yandong Guo, Xiaodong Gu, Zhibo Chen, Quqing Chen, and Charles Wang</i>	

An Efficient Compression Technique for a Multi-dimensional Index in Main Memory .....	333
<i>Joung-Joon Kim, Hong-Koo Kang, Dong-Suk Hong, and Ki-Joon Han</i>	

RELt – Visualizing Trees on Mobile Devices .....	344
<i>Jie Hao, Kang Zhang, and Mao Lin Huang</i>	

Auto-generation of Geographic Cognitive Maps for Browsing Personal Multimedia .....	358
<i>Hyungeun Jo, Jung-hee Ryu, and Chang-young Lim</i>	

## Semantics

Automatic Image Annotation for Semantic Image Retrieval.....	369
<i>Wenbin Shao, Golshah Naghdy, and Son Lam Phung</i>	
Collaterally Cued Labelling Framework Underpinning Semantic-Level Visual Content Descriptor.....	379
<i>Meng Zhu and Atta Badii</i>	
Investigating Automatic Semantic Processing Effects in Selective Attention for Just-in-Time Information Retrieval Systems .....	391
<i>John Meade and Fintan Costello</i>	
News Video Retrieval by Learning Multimodal Semantic Information ...	403
<i>Hui Yu, Bolan Su, Hong Lu, and Xiangyang Xue</i>	

## 2D/3D Graphical Visual Data Retrieval

Visualization of Relational Structure Among Scientific Articles .....	415
<i>Quang Vinh Nguyen, Mao Lin Huang, and Simeon Simoff</i>	
3D Model Retrieval Based on Multi-Shell Extended Gaussian Image ....	426
<i>Dingwen Wang, Jiqi Zhang, Hau-San Wong, and Yuanxiang Li</i>	
Neurovision with Resilient Neural Networks .....	438
<i>Erkan Beşdok</i>	

## Applications of Visual Information Systems

Visual Information for Firearm Identification by Digital Holography ....	445
<i>Dongguang Li</i>	
GIS-Based Lunar Exploration Information System in China .....	453
<i>Sheng-Bo Chen and Shu-Xin Bao</i>	
Semantic 3D CAD and Its Applications in Construction Industry – An Outlook of Construction Data Visualization .....	461
<i>Zhigang Shen, Raja R.A. Issa, and Linxia Gu</i>	
A Fast Algorithm for License Plate Detection.....	468
<i>Vahid Abolghasemi and Alireza Ahmadyfard</i>	

Applying Local Cooccurring Patterns for Object Detection from Aerial Images .....	478
<i>Wenjing Jia, David Tien, Xiangjian He, Brian A. Hope, and Qiang Wu</i>	
Enticing Sociability in an Intelligent Coffee Corner .....	490
<i>Khairun Fachry, Ingrid Mulder, Henk Eertink, and Maddy Janse</i>	
Geometric and Haptic Modelling of Textile Artefacts .....	502
<i>Fazel Naghdy, Diana Wood Conroy, and Hugh Armitage</i>	
A Toolkit to Support Dynamic Social Network Visualization.....	512
<i>Yiwei Cao, Ralf Klamma, Marc Spaniol, and Yan Leng</i>	
The Predicate Tree – A Metaphor for Visually Describing Complex Boolean Queries .....	524
<i>Luca Paolino, Monica Sebillo, Genoveffa Tortora, and Giuliana Vitiello</i>	
Potentialities of Chorems as Visual Summaries of Geographic Databases Contents .....	537
<i>Vincenzo Del Fatto, Robert Laurini, Karla Lopez, Rosalva Loreto, Françoise Milleret-Raffort, Monica Sebillo, David Sol-Martinez, and Giuliana Vitiello</i>	
Compound Geospatial Object Detection in an Aerial Image .....	549
<i>Yi Xiao, Brian A. Hope, and David Tien</i>	
Texture Representation and Retrieval Using the Causal Autoregressive Model .....	559
<i>Noureddine Abbadeni</i>	
An Approach Based on Multiple Representations and Multiple Queries for Invariant Image Retrieval .....	570
<i>Noureddine Abbadeni</i>	
<b>Author Index</b> .....	581