

Invited Session on Multimedia Contents Analysis and Applications (MCAA'10)

**October 15 – 17, 2010
Darmstadt, Germany**

In

INTERNATIONAL CONFERENCE ON INTELLIGENT INFORMATION HIDING AND MULTIMEDIA SIGNAL PROCESSING (IIHMSP10)

Introduction

The proliferation of multimedia devices and networks has led to an explosion of digital media content being created, resulting in large personal and public multimedia databases in which it has become increasingly difficult to retrieve specific content and browse the large collections. Advances in computing technologies also have brought dramatic improvement in collecting, storing and sharing personal information among government agencies and private sectors. From the use of sophisticated pattern recognition in surveillance video to the simple browsing of personal images or videos – people become increasing demand of the management technologies of their multimedia data: Multimedia Contents Analysis and Applications. Even though the research on Multimedia Contents Analysis technologies began many years ago, most of the existing schemes are inadequate for current multimedia applications.

This invited session aims to provide a technical forum for researchers from academy and industry to discuss the advances and challenges of information processing, analysis, retrieval, security and privacy protection for multimedia applications, bring together research work in the area of multimedia content analysis and applications, investigate the novel solutions and discuss the future trends in this field. We welcome papers that address fundamental research issues in this challenging area, with emphasis on multimedia content analysis and applications. We also encourage papers to report on system level research related to multimedia and cross-media analysis and applications. A number of invited papers will also be solicited. Topics of interest include, but are not limited to:

Topics

The paper may focus on architecture construction, algorithm designing or hardware implementation. Both review paper and technical paper are expected. The topics include but are not limited to

Multimedia information analysis and extraction
Machine learning algorithms for media information analysis and extraction
Multimedia Communications and networking
Feature extraction from multimedia
Semantic content understanding and recognition of multimedia
High dynamic range image processing and retrieval
Multimedia browsing/visualization tools and cross-media query
Multimedia databases

Multimedia human-machine interface and interaction
Security in multimedia applications
Multimedia security and content protection
Information forensics in multimedia
Steganography and steganalysis in multimedia
Novel applications of data hiding in multimedia
Multimedia computing systems and appliances
Political and business issues in multimedia steganography
Data hiding in multimedia
Copy detection and tracking in multimedia communication
Surveillance in multimedia
Bio-inspired multimedia processing
Intelligent intrusion detection and prevention in multimedia network

Submission

Papers are invited from prospective authors with interests in this particular special session and related areas of application. All contributions should be original and not published elsewhere or intended to be published during the review period. Contributions from more application-oriented fields in industry and commerce are very welcome. All papers are to be submitted electronically in PDF format to the special session organizers. Details of the required paper format are published at the official IJHMSP10 website:
<http://bit.kuas.edu.tw/~ijhmosp10/>

Important Dates

Submission deadline: April 4, 2010
Acceptance Notification: May 31, 2010
Camera-ready due: July 2, 2010

Organizers

Dr. Xiaoyi Yu
Peking University, China
E-mail: yuxiaoyi@ss.pku.edu.cn

Dr. Minh Son Dao
Graduate School of Engineering, Osaka University, Japan
E-mail: dao@nanase.comm.eng.osaka-u.ac.jp

Prof. Yongge Liu
Anyang Normal University, Henan, China
E-mail: ay_liuyongge@163.com

List of Program Committee members

Bo Zheng	Tokyo University, Tokyo, Japan
Kanta Babaguchi	Osaka University, Osaka, Japan
Noboru Matsuura	Tokyo University, Tokyo, Japan
Xinxin Yang	Anyang Normal University, Henan, China
Fengbin Zheng	Henan University, Henan, China

Xiajiong Sheng	Henan University, Henan, China
Qinglei Zhou	Zhengzhou University, Henan, China
Yong Gan	Zhengzhou University of Light Industry, Henan, China
Jiucheng Xu	Henan Normal University, Henan, China
Guoying Liu	Anyang Normal University, Henan, China
Tao Guo	Anyang Normal University, Henan, China

Expected number of accepted papers

In this proposed invited session, we are fortunate to have about 10-15 contributions from established researchers in this area.