The 7th International Conference on Internet Multimedia Computing and Service

ICIMCS
2015

AUGUST 19 - 21, 2015
ZHANGJIAJIE CITY, CHINA
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Message from General and Program Chairs

On behalf of the Organizing Committee, it is our great pleasure to welcome you to the 2015 International Conference on Internet Multimedia Computing and Service (ICIMCS 2015). Sponsored by ACM SIGMM China chapter, ICIMCS serves as an international forum to bring together researchers and practitioners from academia and industry to discuss cutting-edge research on state-of-the-art of internet multimedia processing, multimedia service, analysis and applications. ICIMCS 2015 is the 7th in the series that has been held annually since 2009. In 2015, ICIMCS is held in Zhangjiajie City, Hunan, China.

Consistent with the previous years of ICIMCS, we have prepared a very attractive technical program with two keynote talks, one best paper candidate session, four oral presentation sessions, two poster sessions, two oral special sessions and one poster special session. Moreover, thanks to the co-organization from by ACM SIGMM China chapter and Technical Committee of Multimedia Technology in China Computing Federation (CCF TCMT), this year’s program will feature several unique activities that we hope will provide a new experience as well as a good level of engagement among participants:

- **Multimedia Frontier Summit (mmSummit)** that has invited eight leading scholars in related areas to share their insightful opinions on cutting-edge multimedia techniques/paradigm shifts in multimedia researches.
- **Multimedia Young Researcher Forum (mmYRF)** that will provide a world's premier forum for young active researchers to present the exciting research progresses and the innovative ideas.
- **Panel Session** that titled "Multimedia Research for Young Scientists". Social and intellectual interactions are expected among students, young researchers and the leading scholars.

Conference registrants (both Full Registration and Non-paper Registration) have full access to all the above activities in the program.

We have received 128 submissions to the conference this year. These submissions cover widely in the areas of large-scale multimedia analysis and retrieval, multimedia systems and applications, multimedia communications and transmission, multimedia security and quality assessment, mobile multimedia computing, social multimedia analysis, computer vision/machine learning for multimedia application, and so on. We thank our 60 Technical Program Committee members who spent many efforts reviewing papers and providing valuable
feedback to the authors. From the total of 128 submissions and based on at least two effective reviews per submission, the Program Chairs decided to accept 20 oral papers (15.6%) and 33 poster papers. Among the 20 oral papers, two papers will receive the Best Paper and the Best Student Paper award, respectively. Several borderline papers that could not be accommodated in the regular paper sessions were invited to the special sessions, resulting in totally 27 papers for two oral special sessions and one poster special session.

The technical program is an important aspect but only provides its full impact if surrounded by challenging keynotes. We are extremely pleased and grateful to have two exceptional keynote speakers, Ralf Steinmetz and Changsheng Xu, accept our invitation and present interesting ideas and insights at ICIMCS 2015. We would also like to express our sincere gratitude to all the other organizing committee members, the Publicity Chairs, Shin’ichi Satoh, Benoit Huet and Jianping Fan, the Organizing Chair, Liang Li, the Publication Chairs, Shuhui Wang and Tianzhu Zhang, the Sponsorship Chairs, Shiqiang Yang and Tao Mei, the Local Chairs, Qingping Zhou, Luis Herranz and Jun Zhang, the Special Session Chairs, Bingkun Bao, Yue Gao and Tongwei Ren, the Finance and Registration Chairs, Jinyan Sun and Weiqing Min. It is their outstanding effort in preparing this extremely rich and complex main program that characterizes ICIMCS 2015. Many important aspects of the conference organization have been made by the Software Department in Jishou University. We heavily thank their staff for the continuous help and suggestions throughout the planning and preparation of this event. Last but not the least, we thank our sponsors, Tencent, Samsung and Lenovo, and all the authors, session chairs, student volunteers and supporters. Their contributions are much appreciated.

We sincerely hope that you will enjoy your stay in the Zhangjiajie City and value your participation in ICIMCS 2015.

**General Chairs:**
- Ramesh Jain (University of California, Irvine, USA)
- Shuqiang Jiang (Institute of Computing Technology, Chinese Academy of Sciences, China)

**Program Chairs:**
- John Smith (IBM Thomas J. Watson Research Center, USA)
- Jitao Sang (Institute of Automation, Chinese Academy of Sciences, China)
- Guohui Li (National University of Defense Technology, China)
Organizing Committee

**General Chairs**  
Ramesh Jain, University of California, Irvine, USA  
Shuqiang Jiang, Institute of Computing Technology, Chinese Academy of Sciences, China

**Program Chairs**  
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Jitao Sang, Institute of Automation, Chinese Academy of Sciences, China  
Guohui Li, National University of Defense Technology, China

**Publicity Chairs**  
Shin’ichi Satoh, National Institute of Informatics, Japan  
Benoit Huet, Eurecom, France  
Jianping Fan, National University of Defense Technology, China

**Organizing Chairs**  
Liang Li, University of Chinese Academy of Sciences, China

**Local Chairs**  
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Luis Herranz, Institute of Computing Technology, Chinese Academy of Sciences, China  
Jun Zhang, National University of Defense Technology, China

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Tao Mei, Microsoft Research Asia, China

**Publication Chairs**  
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Shuhui Wang, Institute of Computing Technology, Chinese Academy of Sciences, China
Special Session Chairs
Bing-Kun Bao, Institute of Automation, Chinese Academy of Sciences, China
Yue Gao, National University of Singapore, Singapore
Tongwei Ren, Nanjing University, China

Young Researcher Forum Organizers
Rongrong Ji, Xiameng University, China
Yi Yang, University of Technology, Sydney, Australia
Zheng-Jun Zha, Hefei Institute of Intelligent Machines, Chinese Academy of Sciences
Jitao Sang, Institute of Automation, Chinese Academy of Sciences, China

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Weiqing Min, Institute of Computing Technology, Chinese Academy of Sciences, China

ACM SIGMM China Chapter Chair
Yong Rui, Microsoft Asia-Pacific R&D Group, China

ACM SIGMM China Chapter Vice Chair
Changsheng Xu, Institute of Automation, Chinese Academy of Sciences, China
Technical Program Committee

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Bingpeng Ma University of Chinese Academy of Science
Bo Xu Chinese Academy of Sciences
Bo Liu Rutgers University
Chao Liang Wuhan University
Chong-Wah Ngo City University of Hong Kong
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Klaus Schoeffmann University of Klagenfurt
Lamberto Ballan University of Florence
Liang Wang Chinese Academy of Sciences
Lifeng Sun Tsinghua University
Linqing Li Chinese Academy of Sciences
Lynn Wilcox FXPAL
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<th>Name</th>
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<td>Marco Bertini</td>
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Keynote 1 (Aug.20, 09:00-10:00)

Title: Adaptive Multimedia Communications for Mobile Social Applications
Speaker: Ralf Steinmetz
Room: Auditorium (2nd floor), Yifu Building
Session Chair: Yong Rui

Abstract:
Tablets and smartphones have become the favorite gateway to the Internet for a majority of users. Being equipped with plenty of sensors, these devices enable far more than traditional web browsing. One example is the popularity of context-aware mobile multimedia applications, where, e.g., the user’s location is integral part of the interaction with the application and with the applications media streams. At the same time, people increasingly make user of their social life through their mobile devices. These leads to people-centric and localized multimedia communication patterns that are heavily influenced by the high dynamics of our everyday life. In this talk, the challenges that originate from these communication patterns in our up-coming cloud-centric infrastructure and our dynamic everyday multimedia environment are described: We have to tackle the arising dynamics by appropriate (i.e. adaptive) multimedia communication systems.

Using the example of a mobile pervasive multiplayer game, the key issues of future challenges of adaptive multimedia communications are presented. In more detail future context-aware publish/subscribe systems enable local interaction between mobile clients. The notion and implementation of an overall adaptation is central for the success of future communications: Transitions between different local publish/subscribe mechanisms enable the system to adapt to changing environmental conditions. To detect such changing conditions, locality-aware monitoring mechanisms are an integral part of the communication systems. Finally, the vision and steps towards an overall transition-enabled networked multimedia system is outlined.
Bio:
Prof. Dr.-Ing. Ralf Steinmetz is a full professor at the Department of Electrical Engineering and Information Technology as well as at the Dept. of Computer Science at the Techn. Univ. Darmstadt, Germany, see www.kom.tu-darmstadt.de. Since 1996, there he is managing director of the “Multimedia Communications Lab”; until end of 2001, he directed a Fraunhofer Institute. In 1999, he founded the Hessian Telemedia Technology Competence Center httc; there he holds a chair position. For nearly 10 years he has served as Hessian’s advisor for information and communications technology. He is a member of the Scientific Council and president of the Board of Trustees of the international research institute IMDEA Networks, Madrid, Spain. Currently he has been awarded with a Chair of Excellence at the Univ. Carlos III de Madrid. He is the author and co-author of more than 800 publications. He has edited and co-written a multimedia course which reflects the major issues of the first in-depth technical book on multimedia technology. He is the editor-in-chief of ACM TOMM and has served as editor of various IEEE, ACM and other journals. He was awarded as Fellow of both, the IEEE and the ACM.

Homepage:
http://www.kom.tu-darmstadt.de/kom-multimedia-communications-lab/people/staff/ralf-steinmetz/
**Keynote 2** (Aug.21, 09:00-10:00)

**Title:** User-centric Social Multimedia Computing  
**Speaker:** Changsheng Xu  
**Room:** Auditorium (2nd floor), Yifu Building  
**Session Chair:** Shuqiang Jiang

**Abstract:**  
Social multimedia has three fundamental elements of user, multimedia content and interaction. Social multimedia computing aims to connect user and multimedia content by analyzing the interaction, and accordingly address three problems of multimedia content understanding, user modeling, and social network analysis. In this talk, I will introduce the user-centric social multimedia computing framework. Firstly, user is the basic data collection unit. User has revolutionized their roles from information receivers to information contributors. Massive User-Generated Content (UGC) has provided available training examples for multimedia content understanding. Secondly, user is the ultimate information service target. Information service in social media is essentially user-oriented. Inferring user interests, understanding and satisfying their personalized needs are the major tasks for information service. Based on this framework, we have conducted work along four research lines: (1) User-aware multimedia content understanding, (2) online activity-based user modeling, (3) topic-level user relation analysis, and (4) common user-based cross-network collaboration. At last, I will conclude this talk with some prospects into social multimedia computing directions. With the development of mobile Internet and wearable technology, user serves as roles to connect cyber to the physical worlds, and will be the fundamental computing terminal.
Bio:
Prof. Changsheng Xu is a Professor in National Lab of Pattern Recognition, Institute of Automation, Chinese Academy of Sciences and Executive Director of China-Singapore Institute of Digital Media. His research interests include multimedia content analysis/indexing/retrieval, pattern recognition and computer vision. He has hold 30 granted/pending patents and published over 200 refereed research papers in these areas. Prof. Xu is an Associate Editor of IEEE Trans. on Multimedia, ACM Trans. on Multimedia Computing, Communications and Applications and ACM/Springer Multimedia Systems Journal. He received the Best Associate Editor Award of ACM Trans. on Multimedia Computing, Communications and Applications in 2012 and the Best Editorial Member Award of ACM/Springer Multimedia Systems Journal in 2008. He served as Program Chair of ACM Multimedia 2009. He has served as associate editor, guest editor, general chair, program chair, area/track chair, special session organizer, session chair and TPC member for over 20 IEEE and ACM prestigious multimedia journals, conferences and workshops. He is an ACM Distinguished Scientist, IEEE Fellow, and IAPR Fellow.

Homepage:
http://nlpr-web.ia.ac.cn/mmc/homepage/csxu.html
Panel Discussion (Aug.21, 17:20-18:30)

Title: Multimedia Research for Young Scientist

Room: Auditorium (2nd floor), Yifu Building

Jointly sponsored by ACM SIGMM China Chapter and CCF TCMT (Technical Committee of Multimedia Technology), we have invited five leading scholars in our multimedia community to discuss and debate issues regarding how young scientists conduct multimedia research and advance their early career. The panel will be in an interactive way, where the panelists and the audience take part in Q&A and discussions.

Invited Panelists:

Shiqiang Yang, Tsinghua University
Qingming Huang, UCAS
Changsheng Xu, CASIA
Yao Zhao, Beijing Jiaotong University
Wenwu Zhu, Tsinghua University
**Young Researcher Forum** (Aug.21, 14:20-17:20)

For the first time, ICIMCS 2015 will feature a Young Researcher Forum (YRF) session. The aim of the forum is to collect common visions and innovative ideas from young researchers on exploiting novel theories, technologies and solutions on multimedia research, and promote social and intellectual interactions among students, young researchers and the leading scholars. We have invited eight highly potential researchers working on multimedia and related fields, to explain their insightful opinions on the scientific and technological challenges of multimedia computing, especially on the topic of internet multimedia, social multimedia, multimedia big data, mobile multimedia etc.

**Schedule:** Aug.21, 14:20 – 15:40.

**Room:** Auditorium (2nd floor), Yifu Building

**Session Chair:** Zheng-Jun Zha

Speaker: Shikui Wei  
Title: Heterogeneous Data Alignment for Cross-Media Computing

Speaker: Shiliang Zhang  
Title: Efficient Indexing for Large-scale Image Search

Speaker: Xirong Li  
Title: Towards Structured Semantic Embedding of Multimedia

Speaker: Jia Li  
Title: Beyond Pixel: Context Defines Everything in Saliency
**Schedule:** Aug.21, 16:00 – 17:20.

**Room:** Auditorium (2nd floor), Yifu Building

**Session Chair:** Rongrong Ji

Speaker: Wengang Zhou
Title: Scalable Local Feature Matching without Visual Codebook Training

Speaker: Yuming Fang
Title: Visual Quality Assessment for Specific Applications: Current Status and Future Trends

Speaker: Zhi Wang
Title: Social Media Distribution: A Data-driven Approach

Speaker: Zechao Li
Title: Understanding-Oriented Visual Representation Learning
Main Conference Program

August 20, Thursday

08:30 – 09:00 Location: Auditorium (2nd floor)
Welcome and Introduction

09:00 – 10:00 Location: Auditorium (2nd floor)
Keynote Speech 1
Title: Adaptive Multimedia Communications for Mobile Social Applications
Speaker: Ralf Steinmetz
Session Chair: Yong Rui

10:00 – 10:30 Location: Lobby outside Auditorium
Coffee Break & Photo Time

10:30 – 12:10 Location: Auditorium (2nd floor)
Best Paper Session
Session Chair: Guohui Li

Online Shared Dictionary Learning for Visual Tracking
   Jingjing Wang, Liansheng Zhuang, Nenghai Yu

Parallel Surface Reconstruction on GPU
   Heng Gao, Jie Tang, Gangshan Wu

Using User Generated Online Photos to Estimate and Monitor Air Pollution in Major Cities
   Yuncheng Li, Jifei Huang, Jiebo Luo

Hand Gesture Recognition for A Virtual Mouse Application Using Geometric Feature of Finger's Trajectories
   Behnam Maleki, Hossein Ebrahimnezhad, Min Xu, Xiangjian He

12:10 – 14:00 Location: Zhangjiajie International Hotel
Lunch
14:00 – 15:00  

**Location:** Lobby outside Auditorium

**Poster Session 1**

- Exploiting the Locality Information of Dense Trajectory Feature for Human Action Recognition  
  *Baixiang Fan, Yanbin Liu, Yahong Han*

- Person Re-identification Fusing via Ranking Consensus  
  *Yang Shen, Weiyao Lin, Junchi Yan, Youping Zhong, Bing Zhou*

- Boost Sparse Coding Based Abnormal Event Detection via Explicitly Applying Temporal Continuity Constraint  
  *Yinghao Huang, Hongxun Yao, xiaoshuai Sun, Sicheng Zhao*

- MANIFOLD LEARNING IN SPARSE SELECTED FEATURE SUBSPACES  
  *Yuchun Fang, Yandan Zheng, Chanjuan Yu*

- Image-Regulated Graph Topic Model for Cross-media Topic Detection  
  *Zhiyi Wang, liang li, chunjie Zhang, Qingming Huang*

- Exploring the Heterogeneity of Social Media: Dataset and A Pilot Study  
  *Dongyuan Lu, Nan Zheng*

- Vehicle Detection and Classification Based on Convolutional Neural Network  
  *Dongmei He, Congyan Lang, Songhe Feng, Xuetao DU, Chen Zhang*

- Dual-Mode Video Stabilization Based on Adaptive Motion Clustering  
  *Dong Wang, Bin Wang, Sicheng Zhao, xiaoshuai Sun, Hongxun Yao, Hong Liu*

- Multi-layer Super vised Dictionary Learning For Visual Classification  
  *Qiang Guo, Chengyue Zhang, Yahong Han*

- Semi-supervised learning via nonnegative least squares regression  
  *Wei-Ya Ren, Pan Liu, Guo-hui Li*

- Visual Saliency Based Automatic Road Extraction from High-Resolution Multispectral Satellite Images  
  *Jinxi Guo, Mengying Ding, Xiaohong Guan, Youtian Du, Jicheng Feng, Qinping Gao, Zheng Liu*
Timbre Identification of Instrumental Music via Energy Distribution Modeling

Jinxi Guo, Mengying Ding, Xiaohong Guan, Youtian Du, Jicheng Feng, Qinping Gao, Zheng Liu

Robust Gender Classification on Unconstrained Face Images

Fudong Nian, Lanying Li, Teng Li, Changseng Xu

Sparse canonical correlation analysis for recognition

Huimin Zhang, Weifeng Liu, Zheng-Jun Zha

Flickr Group Recommendation via Heterogeneous Information Networks

Yueyang Wang, Yuanfang Xia, Siliang Tang, Fei Wu, Yueting Zhuang

A Patch-based Affinity Measurement Method for Online Multiple Pedestrian Tracking

Feidie Liang, Sheng Tang, Rui Lv

Improving Bag-of-Words Representation with Efficient Twin Feature Integration

Lei Wang, Hanli Wang

15:00 – 16:20

Location: Auditorium (2nd floor)

Oral Session 1: Image and Video Analysis

Session Chair: Jun Yu

Evaluation on Fusion of Saliency and Objectness for Salient Object Segmentation

Linwei Ye, Zhi Liu, Lina Li

Game Suspension Boundary Detection by Reading Two Clocks for Broadcast Basketball Video

Xinguo Yu, Wan Ding

What Makes the Stego Image Undetectable?

Wu Songtao, Liu Yan, Zhong Shenghua, Liu Yang

Combination of Region and Contour Models for Interactive Image Segmentation

Ling Ge, Ran Ju, Gangshan Wu
15:00 – 16:20  
**Location:** Room 3321 (3rd floor), Yifu Building

**Oral Session 2: Image and Video Analysis**

Session Chair: Weifeng Liu

Discriminative Voting for Activity Prediction  
*Zhen Xu, Laiyun Qing, Jun Miao*

Joint-based Multi-Task Sparse Learning for Human Action Recognition  
*Wenjun Wu, Yanhua Yang, Ruishan Liu, Cheng Deng*

Combining RGB and Depth Features for Action Recognition based on Sparse Representation  
*Yan Song, Yang Lin*

A Visual Tracker Based on Improved Kernel Correlation Filter  
*Liyang Yu, Chunxiao Fan, Yue Ming*

16:20 – 16:50  
**Location:** Lobby outside Auditorium

Coffee Break

16:20 – 17:20  
**Location:** Lobby outside Auditorium

**SS Poster Session**

Visual Saliency Detection based on Gradient Contrast and Color Complexity  
*Weisheng Li, Jiaping Qiu, Xuyang Li*

Review on Underwater Image Restoration and Enhancement Algorithms  
*Ruoqian Wang, Yafei Wang, Jun Zhang, Xianping Fu*

Exposure Fusion Based on Sparse Coding in Pyramid Transform Domain  
*Jinhua Wang, Guangmei Xu, Haitao Lou*

A General Method for Sensitive Identification Detection in the Terrorist Video  
*Xiaoyuan Luo, Songhe Feng, Congyan Lang, Xuetao Du, Chen Zhang*

Deep Sparse Coding Network for Image Classification  
*Sijun Zhou, Shizhou Zhang, Jinjun Wang*
A Pedestrian And Vehicle Rapid Identification Model Based On Convolutional Neural Network

*RuoChen Wang, Zhe Xu*

A Fast Pedestrians Counting Method Based On Haar Features And Spatio-temporal Correlation Analysis

*Hao Dong, Feng Xue, Fan Wu, Chengxi Yong*

A Novel Video Dehazing Method Based on Temporal Visual Coherence

*Xinguang Xiang, Yang Cheng, Jinhui Tang*

Human Action Recognition Based on Dense of Spatio-Temporal Interest Points and HOG-3D descriptor

*Weisheng Li, Xuyang Li, Jiaping Qiu*

A novel supporting structure generation scheme to 3D printing

*Jiankang Qiu, Lifang Wu, Yuxin Mao*

Feature Fusion for 3D Model Retrieval Based on Fuzzy Clustering

*Kuansheng Zou, Qian Zhang, Zhaojun Zhang*

Person Re-Identification by the Marriage of KISS Metric Learning and Post-Rank Optimization: KISSPOP

*Bingbing Zhuang, Ziping Zhu, Nenghai Yu*

Accurate Non-rigid Registration of Point Set with Large Deformation via Heuristic Tree

*Juan Liu, Shaoyi Du, Linhai Xu*

Sparse Principle Motion Component for One-shot Gesture Recognition

*Xinghao Yang, Hongli Liu, Weifeng Liu, Zheng-Jun Zha*

Method of Switching Video Track for Adaptive Streaming by using MMT Composition Information

*Jeonho Kang, Seonghwan Park, Kyuheon Kim*

Centroid Location Algorithm in Three Dimensions based on Big Data

*Boyang Chen, Shiming Ge, Kaixuan Xie*

Color Image Segmentation Based on a Modified K-means Algorithm

*Qi Zhang, Yue Chi, Ning He*
Hyperspectral Image Compression Using PCA and CCSDS Based on DLWT

Qiuyan Shi, Xingsong Hou, Xueming Qian

60 Hz Self-tuning Background Modeling

Jun Luo, Jinqiao Wang, La Zhang, Yingying Chen, Huazhong Xu, Hanqing Lu

17:20 – 18:40  Location: Auditorium (2nd floor)

SS Oral Session 1: Depth Assisted Visual Media Computing & Service

Session Chair: Gangshan Wu

Real-Time High Resolution 2D-plus-Depth Video Generation Using Time-of-Flight Sensor

Kang Zhang, Lifeng Sun, Shiqiang Yang

Saliency Detection for RGBD Images

Hangke Song, Zhi Liu, Huan Du, Guangling Sun, Cong Bai

Timestamp Removal for Panorama Video Surveillance

Jun Cheng, Xinguo Yu, Shengbin Liao, Gang Zhao

Salient Object Detection in RGB-D Image Based on Saliency Fusion and Propagation

Jingfan Guo, Tongwei Ren, Jia Bei, Yujin Zhu

17:20 – 18:40  Location: Room 3321 (3rd floor), Yifu Building

SS Session 2: Contextual Modeling towards Practical Scene Analysis

Session Chair: Teng Li

Concurrent group activity classification with context modeling

Wei Fu, Chaoyang Zhao, Jinqiao Wang, Jing Liu, Jian Cheng, Hanqing Lu

Lace Fabric Image Retrieval Based on Multi-scale and Rotation Invariant LBP

Lijin Zhang, Xueliang Liu, Zhihong Lu, Fei Liu, Richang Hong

Photo Linker: A System for Finding Your Old Photos based on Fragmentary Memories

Shikui Wei, Fan Yang, Tao Ruan, Ruoyu Liu, Zhenfeng Zhu, Yao Zhao

PVSS: Portable Visual Search Service for Researchers

Siriwat Kasamwattanarote, Shin’ichi Satoh
August 21, Friday

09:00 – 10:00  
**Location:** Auditorium (2nd floor)

**Keynote Speech 2**
Title: User-centric Social Multimedia Computing  
Speaker: Changsheng Xu  
Session Chair: Shuqiang Jiang

10:00 – 10:30  
**Location:** Lobby outside Auditorium

Coffee Break

10:00 – 11:00  
**Location:** Lobby outside Auditorium

**Poster Session 2**

- Attack Trajectory Extraction based on Focus Player Detection in Broadcast Sports Videos  
  *Ying Yang, Xiangdong Wang, Dan Zhao*

- Exploring the Influence of Motion Boundary Sampling to Improved Dense Trajectories for Action Recognition  
  *Haiyan Xu, Qian Tian, Jianhui Wu*

- Dimensionality reduction strategy based on auto-encoder  
  *Yasi Wang, Hongxun Yao, Sicheng Zhao, Ying Zheng*

- A Fourier Theory of the Light Field with the Resolution of the Sampling Camera  
  *Hong Zhang*

- The AdaBoost algorithm for vehicle detection based on CNN features  
  *Xiaona Song, Ting Rui, Zhengjun Zha, Xinqing Wang, Husheng Fang*

- Information Diffusion Model Based on k-core for Social Networks  
  *Yu Zhao, Dingjiu Yu*

- Automatic Image Annotation based on fuzzy association rule and Decision Tree  
  *Zhixin Li, Li Lingzhi, Kaobi Yan, Canlong Zhang*
A Semi-supervised Clustering Ensemble Approach Integrated Constraint-based and Metric-based

Siting Wei, Zhixin Li, Canlong Zhang

Improved Structured Sparse PCA for Cluster-based Co-saliency Detection

Ningmin Shen, Jing Li

An Improved Approach of Lung Image Segmentation Based on Watershed Algorithm

Xiaodan Chen, Shouting Feng, Daru Pan

Spatial grouping coding for three-dimensional multichannel audio system

Pingfang Hu, Li Gao

An Automatic Detection and Segmentation Algorithm of Video Multiple Moving Targets for Computer vision

Kun Zhang, Cuirong Wang, Shaoheng Li

3-D Models Merging Based on Cost Optimization

Kunyuan Pang, Ting Wang

Face Recognition Using Nonlinear Locality Preserving with Deep Networks

Ying Wang, Peng Fei, Xin Fan, Haojie Li

Human Head Detection Based on Multi-stage CNN with Voting Strategy

Ting Rui, Jianchao Fei, You Zhou, Jian Tang, Husheng Fang

11:00 – 12:20

Location: Auditorium (2nd floor)

Oral Session 3: Image Processing

Session Chair: Jinqiao Wang

A Fine-grain Nonlocal Weighted Average Method For Image CS Reconstruction

Yun Tan, Xingsong Hou, Xueming Qian

Image Deconvolution Using L1 Sparse Regularization

Ning He, Qi Zhang, Yue Chi, Ke Lv

A New Single Image Dehazing Method with MSRCR Algorithm

Jinbao Wang, Ning He, Ke Lv
Compressive Imaging based on Coefficients Cutting in DLWT Domain and Approximate Message Passing

_Xingsong Hou, Chunli Wang, Xueming Qian_

11:00 – 12:20 **Location:** Room 3321 (3rd floor), Yifu Building

**Oral Session 4: Multimedia Recognition and Retrieval**

Session Chair: Shiliang Zhang

- A Discriminative Classifier for in-air handwritten Chinese characters recognition
  
  _Ning Xu, Weiqiang Wang, Xiwen Qu_
  
  Why Does the Sketch Look So Vivid?
  
  _Ying Zheng, Hongxun Yao, Sicheng Zhao, Yasi Wang_
  
- Multimodal Tag Localization Based on Deep Learning
  
  _Rui Zhang, Sheng Tang, Wu Liu, Jintao Li_
  
- Scene Character Recognition Using PCANet
  
  _Chongmu Chen, Da-Han Wang, Hanzi Wang_
Social Activities

Reception (Aug. 19, 20:15)

The Welcome Reception will be Multimedia Culture Show, starting at 20:15 on Aug.19. A free bus shuttle, leaving from the conference venue, will bring the attendees to the theatre. The meeting time is at 19:50 outside the main entrance of Zhangjiajie Campus, Jishou University.

Banquet (Aug. 20, 19:00)

The Banquet will take place on 19:00, Aug.20 at the Yuxiang Yuan (遇香园) of Zhangjiajie Subshine Hotel (张家界阳光酒店, No 2 Yongding East Rd., Zhangjiajie City). A free bus shuttle, leaving from the conference venue, will bring the attendees to the hotel. The meeting time is at 18:40 outside the main entrance of Zhangjiajie Campus, Jishou University.

Lunch (Aug. 19 – Aug. 21)

Lunch is provided for all three days during the conference. The lunch venue is at the Kingdee Temple (1st floor, 金蝶西餐厅) of Zhangjiajie International Hotel (张家界国际大酒店, No. 145 Sanjiaoping, Yongding District, Zhangjiajie City). Please use the lunch coupons for entry.

SIGMM China Chapter Meeting

SIGMM China Chapter meeting will take place on 17:30, Aug.19 at the Auditorium, Yifu Building. This year SIGMM China Chapter welcomes all ICIMCS 2015 conference attendees to be visitors at the meeting. Light meal is available for those who attend the meeting.
Conference Information

Registration

Aug.18, Tuesday
14:00 – 22:00
Location: Lobby, Zhangjiajie International Hotel

Aug.19 – 21, Wednesday to Friday
08:00 – 18:00
Location: Yifu Building, Zhangjiajie Campus, Jishou University

Venue

Yifu Building, Zhangjiajie Campus, Jishou University.
Address: Ziwu Road, Yongding District, Zhangjiajie City, Hunan, China
（湖南张家界市永定区子午路 吉首大学张家界校区逸夫楼）
Conference Site Map

From Ziwu Road to Yifu Building:

- Ziwu Road
- Grassland
- Grassland
- Main Entrance of Zhangjiajie Campus, Jishou University
- 50m
- Yifu Building (conference venue)

Conference Venue Map:

- Entry of Yifu Building
- Grassland
- Stairs
- Grassland
- Room 3321 (3rd floor)
- Stairs
- Stairs
- Auditorium (2nd floor)
- Coffee Break & Poster
Registration contact:  Jinyan Sun +86-15910450100  
Liancheng Xiang +86-13261553301

Other contact:  Jitao Sang  +86-13699287567  
Weiqing Min  +86-15210237605

Conference Website: http://www.acmsigmmbj.org/icimcs2015/