



# ACM IMCOM 2016


**SIGAPP**

The 10th International Conference on Ubiquitous Information Management and Communication  
1/4 – 1/6 Mon-Wed, 2016



Da Nang, Vietnam

<http://www.imcom.org>


Scopus and EI indexed. **Selected papers** presented at the conference will be published  
after further improvement and revision at three SCI and two SCIE journals



## General Information

This conference explores emerging interests and novel ideas in the area of information management, communication technologies and their implication of social interaction. The aim of the 9<sup>th</sup> International Conference on Ubiquitous Information Management and Communication (Information Management and Communication) is to provide a forum promoting new visionary approaches and interdisciplinary researches. The conference brings researchers together from academia and industry, encourages the exchanges of ideas and information, and provides a unique opportunity in which both technology and social science meet. Two main tracks for information processing management and communication will be held, covering both research and application works of information management, intelligent information processing, interaction management, networking/telecommunications, and social interaction. Each of these topic areas is expanded below but their sub-topics are not listed exhaustively:

## Information Processing Management

### Information Management

- ✓ Internet search
- ✓ Portals / UCC management
- ✓ Online communities
- ✓ Databases / XML / Data mining
- ✓ Information integration
- ✓ Information personalization
- ✓ Security

### Intelligent Information Processing

- ✓ Machine learning / Machine vision
- ✓ Context-awareness
- ✓ Autonomous computing
- ✓ Natural language processing
- ✓ Affective computing
- ✓ Human-robot interaction / Cognitive robotics
- ✓ Pattern recognition
- ✓ Expert system / AI

### Interaction Management

- ✓ Interaction systems / Multimodal interaction
- ✓ Virtual reality / Game
- ✓ Augmented cognition
- ✓ Multimedia visualization
- ✓ Speech recognition, Graphics and imaging
- ✓ Face recognition
- ✓ Pervasive computing
- ✓ Biometrics

## Communications

### Networking/Telecommunications

- ✓ Ubiquitous computing / Mobile computing/Mobile networks
- ✓ Wireless BAN/PAN/LAN / Home networks
- ✓ Wireless mesh networks
- ✓ Sensor networks / Ad hoc network
- ✓ Mobile multimedia QoS
- ✓ Mobile security / RFID
- ✓ Grid and cloud computing
- ✓ Software Defined Networks and NFV
- ✓ Agents and distributed computing
- ✓ Middleware and peer-to-peer computing

### Social Interaction

- ✓ Social computing / Informatics / Social web
- ✓ New communication media / Virtual communication design
- ✓ Edutainment, Infotainment / E-learning
- ✓ Mobile interaction
- ✓ Cyberpsychology / Engineering psychology
- ✓ Cognitive Modelling, Architecture, Design
- ✓ User modeling
- ✓ Human-computer interaction / Digital human
- ✓ Usability / User Experience

## Important Dates

Paper submission due: August 26, 2015  
Paper acceptance notice: October 14, 2015  
Camera-ready papers due: October 28, 2015

## Organizing Committee

**General Co-Chairs:** Suk-Han Lee, Sungkyunkwan University, Korea Lajos Hanzo, University of Southampton, UK Roslan Ismail, Universiti Kuala Lumpur, Malaysia

**PC Co-Chairs:** Dongsoo S. Kim, Indiana University, USA Sang-Wook Kim, Hanyang University, Korea

**Advisory Co-Chairs:** Sajal K. Das, Missouri University of Science and Technology, Rolla, USA Susanto Rahardja, Institute for Infocomm Research, Singapore

Zalifah Awang Long, Universiti Kuala Lumpur, Malaysia Jin Hyung Kim, KAIST, Korea

**Keynote Speaker Chair:** Masato Oguchi, Ochanomizu University, Japan

**Publicity Co-Chairs:** Toyohide Watanabe, Nagoya University, Japan Rita Zaharah Wan Chik, Universiti Kuala Lumpur, Malaysia

Zhenhua Duan, Xidian University, China Wei Yao, Institute for Infocomm Research, Singapore

**Poster Chair:** Gary Geunbae Lee, POSTECH, Korea

**Registration Chair:** Eui-Nam Huh, Kyung Hee University, Korea

**Local Arrangements Co-Chairs:** Amna Saad, Universiti Kuala Lumpur, Malaysia

Sang Yep Nam, Kookje University, Korea

KC Keecheon Kim, Konkuk University, Korea

**Treasurer & Conference Operation Co-Chairs:** Hyunseung Choo, Sungkyunkwan University, Korea

Azliana Mohamed, Universiti Kuala Lumpur, Malaysia

**Sponsorship Co-Chairs:** Hamidon Katan, Universiti Kuala Lumpur, Malaysia

Suhaili Din, Universiti Kuala Lumpur, Malaysia

**Event Chair:** Kim De Silva, Universiti Kuala Lumpur, Malaysia

**Special Session Co-Chairs:** Vyacheslav Zalyubovskiy, Sobolev Institute of Mathematics, Russia Lekha Chaisorn, National University of Singapore, Singapore

**Partner University Co-Chairs:** GueeSang Lee, Chonnam National University, Korea Hyeran Byun, Yonsei University, Korea Young-Bae Ko, Ajou University, Korea

**Journal Co-Chairs:** Minho Jo, Korea University, Korea

Dong In Kim, Sungkyunkwan University, Korea

## Program Committee

Nazim Agoulmine	University of Evry, France	Deying Li	Renmin University, China
Nilanjan Banerjee	IBM, India	Xianyue Li	Lanzhou University, China
Andrea Bianchi	Sungkyunkwan University, Korea	Huan Li	Beihang University, China
Frank Biocca	Syracuse University, USA	Fangming Liu	Huazhong University of Science Technology, China
Jit Biswas	National University of Singapore, Singapore	Qiang Ma	Kyoto University, Japan
Jaehyuk Cha	Hanyang University, Korea	Masahiro Mambo	Kanazawa University, Japan
Mainak Chatterjee	University of Central Florida, USA	Yoshifumi Masunaga	Aoyama Gakuin University, Japan
Asmatullah Chaudhry	PINSTECH, Pakistan	Manki Min	South Dakota State University, USA
Kwang-Chen Chen	National Taiwan University, Taiwan	Tutomu Murase	NEC Corporation, Japan
Hwan-Gue Cho	Pusan National University, Korea	Shahrulniza Musa	Universiti Kuala Lumpur, Malaysia
Kwangsu Cho	University of Missouri, USA	Matt W. Mutka	Michigan State University, USA
Seong Je Cho	Dankook University, Korea	In Seop Na	Chonnam National University, Korea
Sung-Bae Cho	Yonsei University, Korea	Huu Thanh Nguyen	Hanoi University of Technology, Vietnam
Hyung Jin Choi	Sungkyunkwan University, Korea	Van Duc Nguyen	Hanoi University of Technology, Vietnam
Jongmoo Choi	Dankook University, Korea	Pavan S. Nuggehalli	Indian Institute of Technology, India
Seongsook Choi	University of Warwick, UK	Heejin Park	Hanyang University, Korea
Yong Suk Choi	Hanyang University, Korea	Cristina M. Pinotti	University of Perugia, Italy
Wook Choi	Samsung Electronics, Korea	Wenny Rahayu	La Trobe University, Australia
Robson Cordeiro	Sao Paulo University, Brazil	Alexey S. Rodionov	Siberian State University, Russia
Tran Khanh Dang	Ho Chi Minh University of Technology, Vietnam	Minsoo Ryu	Hanyang University, Korea
Alok K. Das	Jadavpur University, India	Kouichi Sakurai	Kyushu University, Japan
Ding Zhu Du	University of Texas at Dallas, USA	Aimin Sang	NEC Laboratory, USA
Hongwei Du	Harbin Institute of Technology, China	Navrati Saxena	Sungkyunkwan University, Korea
Young Ik Eom	Sungkyunkwan University, Korea	Winston Seah	Victoria University of Wellington, New Zealand
Hiroshu Esaki	The University of Tokyo, Japan	Vladimir Shakhov	ICMMG SB RAS, Russia
Adil I. Erzin	Sobolev Institute of Mathematics, Russia	Dong Hee Shin	Sungkyunkwan University, Korea
Sidney Fels	University of British Columbia, Canada	Jitae Shin	Sungkyunkwan University, Korea
Angel Pascual Del Pobil Ferre	Jaume I University, Spain	Yeong-Tae Song	Towson University, USA
Olivier Flauzac	Université de Reims Champagne-Ardenne, France	S. Shyam Sundar	Pennsylvania State University, USA
Xiaofeng Gao	Shanghai Jiao Tong University, China	Dan-keun Sung	KAIST, Korea
Deke Guo	National University of Defense Technology, China	David Taniar	Monash University, Australia
Hwansoo Han	Sungkyunkwan University, Korea	Fumio Teraoka	Keio University, Japan
Syed Faraz Hasan	Sungkyunkwan University, Korea	Nam Thoai	Ho Chi Minh University of Technology, Vietnam
Choong Seon Hong	Kyung Hee University, Korea	Ryuya Uda	Tokyo University of Technology, Japan
Byeungwoo Jeon	Sungkyunkwan University, Korea	Taketoshi Ushiamae	Kyushu University, Japan
Jae Wook Jeon	Sungkyunkwan University, Korea	Shahrokh Valaee	University of Toronto, Canada
Beomjin Kim	Indiana -Purdue University at Fort Wayne, USA	Koichiro Wakasugi	Kyoto Institute of Technology, Japan
Donghyun Kim	North Carolina Central University, USA	Qianxiang Wang	Peking University, China
Mihui Kim	Hankyong National University, Korea	Wei Wang	Xi'an Jiaotong University, China
Kazuhiko Kinoshita	Osaka University, Japan	Dongho Won	Sungkyunkwan University, Korea
C.-C. Jay Kuo	University of Southern California, USA	Fan Wu	Shanghai Jiao Tong University, China
Tei-Wei Kuo	National Taiwan University, Taiwan	Kai Xin	University of Science and Technology, China
Bellatreche Ladjel	ENSMA, France	Saneyasu Yamaguchi	Kogakuin University, Japan
Jae Young Lee	Boston University, USA	Chung-Huang Yang	National Kaohsiung Normal University, Taiwan
Jee-Hyong Lee	Sungkyunkwan University, Korea	Haruo Yokota	Tokyo Institute of Technology, Japan
KangWoo Lee	Sungkyunkwan University, Korea	Seong-Moo Yoo	University of Alabama in Huntsville, USA
Kwan Min Lee	University of Southern California, USA	Jiangsheng Yu	Peking University, China
Sang-goo Lee	Seoul National University, Korea	Cangzhou Yuan	Beihang University, China
Tae-Jin Lee	Sungkyunkwan University, Korea	Yan Zhang	Harbin Institute of Technology, China
Wonjun Lee	Korea University, Korea	Xiangliang Zhang	King Abdullah University, Saudi Arabia
Dan Li	Tsinghua University, China	Huachun Zhou	Beijing Jiaotong University, China

## Submission Guidelines

- **Regular Papers/Short Papers:** Camera-ready version of regular and short papers should not be longer than 8 and 4 pages, respectively. Accepted papers will be categorized into oral paper or poster paper. Both are included in ACM Digital Library and considered for Journal recommendation. For guidelines on paper submissions, please refer to <http://www.imcom.org>

## Venue

Da Nang, Vietnam

