

15

IMCOM 2021

International Conference on Ubiquitous Information Management and Communication

January 04-06, 2021

Online Conference - Free Registration Fee

<http://www.imcom.org>

The conference proceedings are Scopus and EI indexed and will be published on IEEE Xplore Digital Library. **Selected papers** presented at the conference will be published after further improvement and revision at Special Issues in IEEE Access, WCMC, Oxford The Computer Journal, IEEE Transactions on Emerging Topics in Computing, IET Intelligent Transport Systems, along with 5 other SCI/SCIE journals



General Information

This conference will constitute a forum for the presentation and discussion of latest results in the fields of information management, communication technologies and their implications on social interaction. The aim of such a forum, as an international conference, is conducive for encouraging the exchange of ideas and information, providing research directions in cutting-edge domains, and fostering collaborations between academia and industry. In this context, the program committee will accept a limited number of papers that meet the criteria of originality and presentation quality.

Two main tracks for information processing management and communication technologies will be held, covering both research and applicability aspects. Each of these topic areas is expanded below but their sub-topics are not listed exhaustively.

Information Processing Management

Information Management

- ✓ Internet search/ Security
- ✓ Portals/ UCC management
- ✓ Online communities
- ✓ Databases/ XML/ Data mining
- ✓ Information integration
- ✓ Information personalization
- ✓ O2O, W2W, B2B, and B2C

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
- ✓ AR/VR/Game
- ✓ Human-drone interaction
- ✓ Multimedia visualization
- ✓ Speech recognition and graphics
- ✓ Face recognition
- ✓ Pervasive computing
- ✓ Biometrics

Communications

Networking/ Telecommunications

- ✓ Ubiquitous and mobile computing
- ✓ Wireless BAN/ PAN/ LAN/ Mesh
- ✓ Sensor networks / Ad hoc network
- ✓ Mobile multimedia QoS
- ✓ IoT software platform
- ✓ Grid and cloud computing
- ✓ SDN/ NFV/ Openflow
- ✓ Container networking
- ✓ Middleware and P2P 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: **September 10, 2020**
 Paper acceptance notice: October 15, 2020
 Paper registration due: October 31, 2020
 Camera-ready papers due: November 30, 2020

IEEE Xplore®
Digital Library

SCOPUS Engineering Village

Submission Guidelines

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

Organizing Committee

General Co-Chairs: Sukhan 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 Taketoshi Ushima, Kyushu University, Japan Duc-Tai Le, Sungkyunkwan University, Korea

Advisory Co-Chairs: Adrian Stoica, NASA Jet Propulsion Laboratory, USA Saeid Nahavandi, Deakin University, Australia
 Sajal K. Das, Missouri University of Science and Technology, Rolla, USA Susanto Rahardja, Northwestern Polytechnical University, China
 Zalilah Awang Long, Universiti Kuala Lumpur, Malaysia Jin Hyung Kim, AIRI, Korea
 Toyohide Watanabe, Nagoya Industrial Science Research Institute, Japan Yoshifumi Masunaga, Ochanomizu University, Japan

Keynote Speaker Chair: Masato Oguchi, Ochanomizu University, Japan

Publicity Co-Chairs: Eui-Nam Huh, Kyung Hee University, Korea Shafiza Mohd Shariff, Universiti Kuala Lumpur, Malaysia

Eunil Park, Hanyang University, Korea Shangguan Wang, Beijing University of Posts and Telecommunications

Poster Co-Chairs: Gary Geunbae Lee, POSTECH, Korea Mohd Nizam Husen, Universiti Kuala Lumpur, Malaysia

KC Keecheon Kim, Konkuk University, Korea

Registration Co-Chairs: Eui-Nam Huh, Kyung Hee University, Korea Sang Yep Nam, Kookje University, Korea

Local Arrangements Chairs: Chao-Kai Wen, National Sun Yat-sen University, Taiwan Samratul Janin Sidal, Universiti Kuala Lumpur, Malaysia

Treasurer & Conference Operation Co-Chairs: Hyoungshick Kim, Sungkyunkwan University, Korea Kim De Silva, Universiti Kuala Lumpur, Malaysia

Hyunseung Choo, Sungkyunkwan University, Korea

Sponsorship Co-Chair: Suhaili Din, Universiti Kuala Lumpur, Malaysia

Special Session Chair: Vyacheslav Zalyubovskiy, Sobolev Institute of Mathematics, Russia

Partner University Co-Chairs: Xiaofeng Gao, Shanghai Jiao Tong University, China

Jun Feng, Hohai University, China

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

Dong In Kim, Sungkyunkwan University, Korea

Sungyoung Lee, Kyung Hee University, Korea

Program Committee

Nazim Agoulmine	University of Evry, France	Kwan Min Lee	Nanyang Technological University, Singapore
Nilanjan Banerjee	IBM, India	Sang-goo Lee	Seoul National University, Korea
Andrea Bianchi	KAIST, Korea	Tae-Jin Lee	Sungkyunkwan University, Korea
Frank Biocca	Syracuse University, USA	Wonjun Lee	Korea University, Korea
Jit Biswas	National University of Singapore, Singapore	Dan Li	Tsinghua University, China
Hyeran Byun	Yonsei University, Korea	Deying Li	Renmin University, China
Jaehyuk Cha	Hanyang University, Korea	Qiang Ma	Kyoto University, Japan
Mainak Chatterjee	University of Central Florida, USA	Masahiro Mambo	Kanazawa University, Japan
Asmatullah Chaudhry	PINSTECH, Pakistan	Manki Min	South Dakota State University, USA
Kwang-Cheng Chen	National Taiwan University, Taiwan	Naoto Mukai	Sugiyama Jogakuen University, Japan
Sung-Bae Cho	Yonsei University, Korea	Tutomu Murase	Nagoya University, Japan
Hyung Jin Choi	Sungkyunkwan University, Korea	Matt W. Mutka	Michigan State University, USA
Jongmoo Choi	Dankook University, Korea	Naomi Nagata	Shizuoka Sangyo University, Japan
Seongsook Choi	University of Warwick, UK	Anh Tuan Nguyen	University of Information Technology, Vietnam
Yong Suk Choi	Hanyang University, Korea	Huu Thanh Nguyen	Hanoi University of Technology, Vietnam
Wook Choi	Samsung Electronics, Korea	Van Duc Nguyen	Hanoi University of Technology, Vietnam
Robson Cordeiro	Sao Paulo University, Brazil	Pavan S. Nuggehalli	Indian Institute of Technology, India
Tran Khanh Dang	Ho Chi Minh University of Technology, Vietnam	Tomohiro Ohno	Nagoya University, Japan
Alok K. Das	Jadavpur University, India	Heejin Park	Hanyang University, Korea
Ding Zhu Du	University of Texas at Dallas, USA	Cristina M. Pinotti	University of Perugia, Italy
Hongwei Du	Harbin Institute of Technology, China	Wenny Rahayu	La Trobe University, Australia
Thang Le-Duc	University of Information Technology, Vietnam	Minsoo Ryu	Hanyang University, Korea
Young Ik Eom	Sungkyunkwan University, Korea	Alicia Ruvinsky	USACE ERDC, USA
Hiroshi Esaki	The University of Tokyo, Japan	Kouichi Sakurai	Kyushu University, Japan
Adil I. Erzin	Sobolev Institute of Mathematics, Russia	Aimin Sang	NEC Laboratory, USA
Sidney Fels	University of British Columbia, Canada	Navrati Saxena	Sungkyunkwan University, Korea
Angel Pascual Del Pobil Ferre	Jaume I University, Spain	Winston Seah	Victoria University of Wellington, New Zealand
Olivier Flauzac	Université de Reims Champagne-Ardenne, France	Vladimir Shakhov	ICMMG SB RAS, Russia
Deke Guo	National University of Defense Technology, China	Yeong-Tae Song	Towson University, USA
Hwansoo Han	Sungkyunkwan University, Korea	S. Shyam Sundar	Pennsylvania State University, USA
Jinyoung Han	Hanyang University, Korea	Dan-keun Sung	KAIST, Korea
Syed Faraz Hasan	Massey University, New Zealand	David Taniar	Monash University, Australia
Yuki Hayashi	Osaka Prefecture University, Japan	Fumio Teraoka	Keio University, Japan
Choong Seon Hong	Kyung Hee University, Korea	Nam Thoai	Ho Chi Minh University of Technology, Vietnam
Seil Jeon	Sungkyunkwan University, Korea	Trung Dung Tran	University of Science, Vietnam
Byung-Seok Kang	University of Derby, UK	Ryuya Uda	Tokyo University of Technology, Japan
Beomjin Kim		Shahrokh Valaee	University of Toronto, Canada
Donghyun Kim	Indiana -Purdue University at Fort Wayne, USA	Duc Lung Vu	University of Information Technology, Vietnam
Jae-Hyun Kim	North Carolina Central University, USA	Koichiro Wakasugi	Kyoto Institute of Technology, Japan
Mihui Kim	Ajou University, Korea	Wei Wang	Xi'an Jiaotong University, China
Kazuhiko Kinoshita	Hankyong National University, Korea	Dongho Won	Sungkyunkwan University, Korea
Hannah Kum-Biocca	Osaka University, Japan	Fan Wu	Shanghai Jiao Tong University, China
C.-C. Jay Kuo	California State University, Long Beach, USA	Saneyasu Yamaguchi	Kogakuin University, Japan
Tei-Wei Kuo	University of Southern California, USA	Chung-Huang Yang	National Kaohsiung Normal University, Taiwan
Bellatreche Ladjel	National Taiwan University, Taiwan	Haruo Yokota	Tokyo Institute of Technology, Japan
Jae Young Lee	ENSMA, France	Seong-Moo Yoo	University of Alabama in Huntsville, USA
Jinkyu Lee	Boston University, USA	Jiangsheng Yu	Peking University, China
	Sungkyunkwan University, Korea		

Sightseeing of Seoul, Korea



Gyeongbokgung Palace



Lotte World



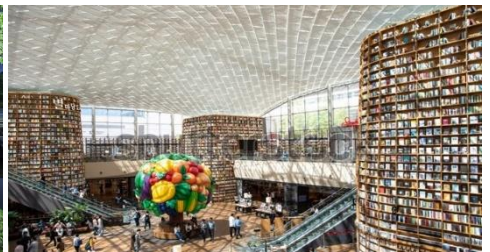
N Seoul Tower



Secret Garden Hangdeokgung



Namsangol Hanok Village



Starfield Coex Mall



Itaewon Street



National Museum of Korea



War Memorial of Korea