

The 2nd International Conference on Artificial Intelligence in Information and Communication
February 19 (Wed.) ~ 21 (Fri.), 2020, Takakura Hotel Fukuoka, Fukuoka, Japan

International Advisory Committee

- Ramjee Prasad, Aarhus Univ., Denmark
- Pascal LORENZ, Univ. of Haute Alsace, France
- Zhisheng Niu, Tsinghua Univ., China
- Ilyoung Chong, HUIFS, Korea
- Tomoaki Ohtsuki, Keio Univ., Japan
- Zhen Yang, NUPT, China
- Robert F. Karlicek, RPI, USA
- Masahiro Umehira, Ibaraki Univ., Japan
- Md. Nurunnabi Mollah, KUET, Bangladesh
- Joel Rodrigues, Inatel, Brazil
- Myung Jong Lee, CUNY, USA
- Byoung-Tak Zhang, Seoul National Univ., Korea
- Hsi-Pin Ma, National Tsing Hua Univ., Taiwan
- Myung Joon Kim, ETRI, Korea
- Young Sam Kim, KETI, Korea

Steering Committee

- Yeong Min Jang, Kookmin Univ., Korea
- Rami LANGAR, UPEM, France
- Takeo Fujii, Univ. of Electro-Comms, Japan
- Seung Hyong Rhee, Kwangwoon Univ., Korea
- Ho-Jin Lee, ETRI, Korea
- Seong-Ho Jeong, HUIFS, Korea
- Minhoo Lee, Kyungpook National Univ., Korea
- Periklis Chatzimisos, ATEITHE, Greece
- Jay Duke Park, IITP, Korea
- Xin Wang, Fudan Univ., China
- Hyung Su Lee, KETI, Korea
- Sang-Jo Yoo, Inha Univ., Korea
- Honggang Zhang, Zhejiang Univ., China
- Myungsik Yoo, Soongsil Univ., Korea
- Won Cheol Lee, Soongsil Univ., Korea
- Juan Carlos Cano, Technical Univ. of Valencia, Spain
- Dong Seog Han, Kyungpook National Univ., Korea
- Jungwoo Lee, Seoul National Univ., Korea
- Geun Sik Jo, Inha Univ., Korea
- Heung-Koon Choi, Inje Univ., Korea
- Sanghyun Ahn, Univ. of Seoul, Korea
- Dae Hwan Kim, Kookmin Univ., Korea
- Sang-Chul Kim, Kookmin Univ., Korea
- Kyubok Lee, KETI, Korea
- Hyongchul Kim, IITP, Korea
- Jaekwan Lee, KATECH, Korea
- Takaya Yamazato, Nagoya Univ., Japan
- Jonghyun Park, ETRI, Korea

Organizing Committee

- Pascal LORENZ, Univ. of Haute Alsace, France
- Ilyoung Chong, HUIFS, Korea
- Rami LANGAR, UPEM, France
- Hsi-Pin Ma, National Tsing Hua Univ., Taiwan
- Joel Rodrigues, Inatel, Brazil
- Jonghyun Park, ETRI, Korea

General Chairs

- Yeong Min Jang, Kookmin Univ., Korea
- Takeo Fujii, Univ. of Electro-Comms, Japan
- Dong Seog Han, Kyungpook National Univ., Korea

Area Chairs

- Hakil Kim, Inha Univ., Korea
- Ki-Hyung Kim, Ajou Univ., Korea
- Kenji Doya, OIST, Japan
- Toshihisa Tanaka, Tokyo Univ. of Agriculture and Tech., Japan
- Chanwoo Moon, Kookmin Univ., Korea
- Hyukjoon Lee, Kwangwoon Univ., Korea
- Insoon Sohn, Dongguk Univ., Korea
- Ilwoo Lee, ETRI, Korea

Regional Chair

- Peer Peter, Ljubljana Univ., Slovenia

Organizing Vice-Chairs

- Kenta Umebayashi, Tokyo Univ. of Agriculture and Tech., Japan
- DoHyun Kim, Jeju National Univ., Korea
- Injung Kim, Handong Univ., Korea
- Kee-Eung Kim, KAIST, Korea

Workshop Chairs

- Dongsung Kim, Kumoh National Univ., Korea
- Sung-Rae Cho, Chung-Ang Univ., Korea
- Hong Kook Kim, GIST, Korea
- Mianxiang Dong, Muroran Institute of Tech., Japan

Special Session Chairs

- Xiaoyan Wang, Ibaraki Univ., Japan
- Jaesoo Yoo, Chungbuk National Univ., Korea
- Donggyu Sim, Kwangwoon Univ., Korea
- Jiwoong Choi, DGIST, Korea
- Eun-Seok Ryu, Gachon Univ., Korea

International Liaison Chair

- Oh-Soon Shin, Soongsil Univ., Korea

International Journal Chairs

- Junhee Seok, Korea Univ., Korea
- Yujin Lim, Sookmyung Women's Univ., Korea
- Kyung-Joon Park, DGIST, Korea

Registration Chairs

- Min Young Kim, Kyungpook National Univ., Korea
- Pyungsoo Kim, KPU, Korea
- Jaekoo Lee, Kookmin Univ., Korea

Local Arrangement Chairs

- Masato Saito, Univ. of the Ryukyus, Japan
- Mai Ohta, Fukuoka Univ., Japan
- Sukchan Kim, Pusan National Univ., Korea

Publication Chairs

- Jung Hoon Lee, HUIFS, Korea
- Sangjoon Park, ETRI, Korea

Publicity Chairs

- Kazuto Yano, ATR, Japan
- Yoonhee Han, Korea Tech. Education Univ., Korea
- Mostafa Zaman Chowdhury, KUET, Bangladesh
- Joohyun Lee, Hanyang Univ., Korea
- Yoshikazu Washizawa, The Univ. of Electro-Communications, Japan

Patronage Chair

- Hyun-Woo Lee, ETRI, Korea
- Hye Young Park, Kyungpook National Univ., Korea

Finance Chairs

- Young-Seok Choi, Kwangwoon Univ., Korea
- Osamu Takyu, Shinshu Univ., Japan
- Wooyong Lee, ETRI, Korea

Web Chair

- Hyunhee Park, Korean Bible Univ., Korea
- Joon Won Choi, Hanyang Univ., Korea

EDAS Chair

- Sunwoong Choi, Kookmin Univ., Korea

Coordinators

- Dongkyun Kim, Kyungpook National Univ., Korea
- Celimuge Wu, The Univ. of Electro-Communications, Japan

Technical Program Committee

- TPC Chairs
- Seokjoo Shin, Chosun Univ., Korea
- Benoameur Senouci, ECE Paris, France
- Takaya Yamazato, Nagoya Univ., Japan
- TPC Co-Chairs
- Junhee Seok, Korea Univ., Korea
- Joongheon Kim, Chung-Ang Univ., Korea

TPC Vice Chairs

- Takayuki Nishio, Kyoto Univ., Japan
- Ohyun Jo, Chungbuk National Univ., Korea
- Wooyeol Choi, Chosun Univ., Korea



CALL FOR PAPERS

We have witnessed fast developments of various artificial intelligence (AI) technologies, and many forms of information and communication systems with AI are becoming core parts of our daily lives. With the proliferation of future information, communication, and electronic devices, there is a fast growing interest in information and communication technology (ICT) with AI. The conference promotes their transfer into practical applications, for developing intelligent ICT systems and pursuing artificial intelligence applications for contents, platforms, networks and devices. The Second International Conference on AI in information and communication (ICAIC 2020) aims at addressing advances in research on ICT, covering topics ranging from ICT technology issues to emerging AI applications for ICTs. ICAIC 2020 solicits original, unpublished contributions in all aspects of AI in information and communication. Submitted articles must not be concurrently considered elsewhere for publication. We also encourage authors to submit short papers on the early stages of research or development in progress, which present important new challenges. Position papers on new idea and industry papers are also welcome. The conference is organized by KICS (The Korean Institute of Communications and Information Sciences) with the technical co-sponsorship of IEEE Communications Society and IEICE-CS. Accepted and presented papers will be published in the ICAIC Conference Proceedings with an assigned ISBN number and submitted to IEEE Xplore, Scopus, and EI Compendex. Also extended versions of selected papers will be published in the following international journals as a special issue for the ICAIC 2020.

The topics include, but are not limited to

- Information and Communications Technology
- AI Applications for Networking and IoT
- AI Applications for Mobile Communication
- AI for Data Analysis, Big Data and Cloud
- AI for eHealth
- AI for Image Processing and Multimedia
- AI for Control and Decision Systems
- AI for Energy, Computer Systems and Semiconductor Device
- AI for Neuroscience and Neuroengineering
- AI Foundation

Submission Guidelines

All papers must be submitted electronically, in PDF format, and uploaded on EDAS. The direct link for paper submission is <https://edas.info/N26381>. The submissions should be formatted with single-spaced, double-column pages using at least 10 pt size fonts on A4 or letter pages in IEEE style format. The maximum number of pages is 6 for full papers. Please make sure that full papers must be at minimum 3 pages in length. Detailed formatting and submission instructions will be available on the conference web site (<http://www.icaic.org>).

Call for Workshop Proposals

Proposals are invited for half- or full-day workshops in communication and networking topics. Please contact chairs, Dong-Seong Kim and Sung-Rae Cho at dskim@kumoh.ac.kr and srcho@cau.ac.kr

Selected Journal Publication

Accepted and presented papers will be published in the ICAIC 2020 Conference Proceedings. Also extended versions of selected papers will be published in the following international journals as a special issue or section for the ICAIC 2020.

- Wireless Personal Communications (SCIE)
- Wireless Communications and Mobile Computing (SCIE)
- International Journal of Distributed Sensor Networks (SCIE)
- Mobile Information System (SCIE)
- Sensors (SCIE)
- International Journal of E-Health and Medical Communications (Scopus)
- ICT Express (Scopus, ESCI)
- Recent Advances on Communications and Networking Technology

Best Paper Awards

Best papers will be selected by the technical program committee members among regular papers presented at ICAIC 2020.

Important Dates

- Submission Deadline **Dec. 1, 2019**
- Acceptance Notification **Dec. 27, 2019**
- Camera-Ready Paper **Jan. 10, 2020**