



# ISAAC 2022

The 10th International Symposium on  
Advanced and Applied Convergence  
<http://eng.iibc.kr/iconf/isaac2022/>

November 17(Thu)-19(Sat), 2022.

Seongnam Senior Industry Innovation Center, Seongnam, Korea

## ABOUT O2O ISAAC 2022

With the re-proliferation of Corona 19, conferences are also planned to hold the O2O ISAAC 2022 International Academic Conference. In O2O(Online to Offline), paper authors select the Online or Offline method to present and participate in the paper. ISAAC 2022 will bring together researchers, engineers and practitioners to present the latest accomplishments, innovations and potential future directions in information technology, systems, and their applications. Proposals for organized sessions are welcome. ISAAC 2022 will encourage open discussions on technology alternatives that focus on the management and operation of current and future convergence technology. Overseas and domestic authors are invited papers related to the theme: "Advanced and Applied Convergence". The theme will be further subdivided into below 10 focal areas. The aim of this conference is to provide a forum for international educators, scholars, researchers, industry professionals, policy-makers and graduate students with opportunity to explore and discuss issues in the topics on Convergence Technology.

## CORE TOPICS

ISAAC 2022 organizing committee invites all interested individuals to submit papers for poster and oral presentation. The topic of ISAAC will include but not limited to the following:

<b>I. Telecommunication Information Technology (TIT)</b>	<ul style="list-style-type: none"> <li>Webcasting Contents, Broadcasting and Media Communication &amp; Network</li> <li>Digital TV (CATV, HDTV and 3DTV), ITS, GIS and LBS</li> </ul>	<ul style="list-style-type: none"> <li>Optical Communication and Future Network</li> <li>Mobile, Wireless and Satellite Communication (PAN, BAN etc.)</li> <li>Advanced Electromagnetic Field and Biology</li> </ul>
<b>II. Human-Machine Interaction Technology (HIT)</b>	<ul style="list-style-type: none"> <li>Intelligent Robot Technology</li> <li>Smart RFID/USN Convergence</li> <li>Artificial Intelligence, Neural Network and Machine Learning</li> </ul>	<ul style="list-style-type: none"> <li>Data Mining and Knowledge Discovery</li> <li>Pattern Recognition and Information Retrieval</li> <li>Metabus, Drone</li> </ul>
<b>III. Nano Information Technology (NIT)</b>	<ul style="list-style-type: none"> <li>Information Displays and Memory (Flexible)</li> <li>Printed and Hybrid Components</li> <li>Photonic and Quantum Information Processing</li> </ul>	<ul style="list-style-type: none"> <li>RFIC, SoC, SIP etc.</li> <li>Other Electronic Information Convergence</li> </ul>
<b>IV. Culture Information Technology (CIT)</b>	<ul style="list-style-type: none"> <li>Digital, Multimedia and Creative Contents</li> <li>Emotional and Art Technology</li> <li>Contents Distribution and Security</li> </ul>	<ul style="list-style-type: none"> <li>Education Information Technology</li> <li>Tour and Leisure Information</li> </ul>
<b>V. Bio and medical Information Technology (BIT)</b>	<ul style="list-style-type: none"> <li>Bioinformatics and Computational Biology</li> <li>Biomedical Engineering, Bio chips etc.</li> <li>Health and Medical Informatics</li> </ul>	<ul style="list-style-type: none"> <li>Hospital Management Information</li> <li>Agricultural and Fishery Information</li> </ul>
<b>VI. Environmental Information Technology (EIT)</b>	<ul style="list-style-type: none"> <li>Green Cloud computing</li> <li>Smart Sensor and Green Technology</li> <li>Smart Grid and Energy Information</li> </ul>	<ul style="list-style-type: none"> <li>Civil and City Engineering Information</li> <li>Industrial Engineering and Production Information</li> </ul>
<b>VII. Electrical Facilities Technology (EFT)</b>	<ul style="list-style-type: none"> <li>Electric Facility Design and Engineering</li> <li>Electrical Installation and Construction Technology</li> <li>Electric Facility Diagnosis</li> </ul>	<ul style="list-style-type: none"> <li>Electric Railroad Technology</li> <li>Electric Safety Technology</li> </ul>
<b>VIII. Safety Technology (ST)</b>	<ul style="list-style-type: none"> <li>Mechanical Safety</li> <li>Electrical Safety</li> <li>Chemical Safety</li> <li>Construction Safety</li> <li>Ergonomics/System Safety</li> </ul>	<ul style="list-style-type: none"> <li>Traffic Safety</li> <li>Stability Policy</li> <li>Disaster Safety</li> <li>Risk Management</li> <li>Nuclear Safety</li> </ul>
<b>IX. Culture Convergence (CC)</b>	<ul style="list-style-type: none"> <li>Humanities Convergence</li> <li>Creative Art</li> <li>Social Politics</li> <li>Culture Tourism</li> </ul>	<ul style="list-style-type: none"> <li>Health and Welfare</li> <li>Administrative Affairs</li> <li>Education and Learning</li> <li>Multi-culture Convergence</li> </ul>
<b>X. Technology Convergence (TC)</b>	<ul style="list-style-type: none"> <li>Culture Technology Convergence</li> <li>Creative Future Science</li> <li>Traditional Industry</li> <li>Bio Environment</li> <li>Construction Environment</li> </ul>	<ul style="list-style-type: none"> <li>Industrial Engineering</li> <li>Information and Communication</li> <li>Internet Convergence</li> <li>Smart Industry -Management of Technology</li> </ul>

## IMPORTANT DATES

- Session & Workshop Proposal **September 15 (Thu.)**
- Papers Submission Deadline **October 21 → October 28 (Fri.)**
- Acceptance Notification (via email) **October 25 → October 31 (Mon.)**
- Registration for Conference Attendance **October 31 → November 4 (Fri.)**

## JOURNAL PUBLICATION

- Accepted papers (AACL) can be downloaded from ISAAC 2022 Homepage.
- Extended versions of selected papers will be invited for recommendation to
  - ▶ SCOPUS or SCI(E) indexed journals
  - ▶ IJIBC & IJASC & IJIBC, KCI-indexed journals (publisher: IIBC)
  - ▶ IJACT & JCCT, KCI-indexed journals (publisher: IPACT)
- IJIBC (<http://www.ijibc.kr/>) The Journal of The Institute of Internet, Broadcasting and Communication
- IJIBC ([www.ijibc.org](http://www.ijibc.org)) International Journal of Internet, Broadcasting and Communication
- IJASC ([www.ijasc.org](http://www.ijasc.org)) International Journal of Advanced Smart Convergence
- IJACT ([www.ijact.kr](http://www.ijact.kr)) International Journal of Advanced Culture Technology
- JCCT ([www.iccthome.org](http://www.iccthome.org)) The Journal of the Convergence on Culture Technology
- ▶ If requested, papers can be published in IIBC & IPACT journals: IJASC, IJIBC and IJACT at FREE OF CHARGE.

## BEST PAPER AWARDS

ISAAC 2022 will present the Best Paper Awards to the authors of selected outstanding papers.

Hosted by:

Co-Hosted by:



## PAPER SUBMISSION

We would like to invite you to submit complete and original unpublished Summary version & Journal version regarding your paper in English, which are not under review in any other conferences or journals. Detailed formatting and submission instructions will be available on the conference web site; <http://eng.iibc.kr/iconf/isaac2022/sub04.php>

## JOINT CONFERENCES

ICACT 2022(International Conference on Advanced Culture&Technology) hosted by IPACT  
ICKAI 2022 (International Conference on Knowledge based Artificial Intelligence) hosted by Knowledge Forest

## Special Field Trip & Lifetime Experience

ISAAC 2022 will provide an opportunity for all registrants to participate in this special session. You can indirectly experience aging and understand the feelings of the elderly.

- 10:00-10:50 (Field Trip)
  - 11:00-11:50 (Lifetime Experience)
- Advance reservation: [iibc@iibc.kr](mailto:iibc@iibc.kr)

## ISAAC SECRETARIAT

E. [iibc@iibc.kr](mailto:iibc@iibc.kr) T. +82-2-407-7718  
E. [ipact@ipact.kr](mailto:ipact@ipact.kr) T. +82-2-409-7718  
H. <http://eng.iibc.kr/iconf/isaac2022>

Supported by (Public Institution):

