

The 15th International Conference on Green and Human Information Technology

January 20 (Wed.) ~ 22 (Fri.), 2027 | Jakarta, Indonesia

<http://www.icghit.org>

Call for Papers “Agentic AI Systems”

The 15th International Conference on Green and Human Information Technology (ICGHIT) is co-hosted by Green and Human Information Technology (GHIT) and The Institute of Electronics and Information Engineers (IEIE). This conference is a unique global venue for researchers, industry professionals, and academics who are interested in the latest developments in green and human information technology. **This year's conference theme is “Agentic AI Systems.”** Agentic AI systems are rapidly emerging as a new paradigm in artificial intelligence, moving beyond passive question-answering toward autonomous systems that can plan, reason, use tools, interact with environments, and execute multi-step tasks. These systems are beginning to reshape various aspects of our personal lives, industries, education, healthcare, and digital infrastructure, bringing both significant challenges and promising opportunities. Centering on this theme, the conference will provide an exciting program, including hands-on tutorial sessions and special sessions that cover emerging research issues, technical directions, and real-world applications from both theoretical and practical viewpoints. The conference will also include plenary sessions, technical sessions, workshops, and exhibitions.

The topics include, but are not limited to:

- **Green Information Technology**

1. Green Technology & Energy Saving
2. Green Computing & Green IT Convergence and Applications

- **Communication and IoT**

1. Communications & Networks
2. Optical & Visual Light Communication
3. Ad-hoc & Sensor Networks
4. M2M/IoT & Ubiquitous Computing

- **Computer and Network Security**

1. Wireless and Mobile Security
2. Internet of Things Security
3. Applied Cryptography
4. Security in Big Data and Cloud Computing

- **Multimedia and Signal Processing**

1. Multimedia Processing & Smart Media Technology
2. Speech and Signal Processing
3. Computer Vision and Image Processing

- **AI & Big Neural Network**

1. Automatic Control & Neural Network and Fuzzy
2. Artificial Intelligence & HCI
3. Intelligent Robotics and Transportation & HRI
4. Brain Science and Bioengineering

- **SW/HW Design, Architecture & Development**

1. Architecture & Protocols
2. Sustainable Sensor Networks
3. Information-centric Sensor Networks
4. Blockchain-based Secure Sensor Networks
5. AI-based Self-evolving Sensor networks
6. Sensor/RFID Circuit Design
7. System on Chip (SoC)
8. IC System for Communication

Information for Authors

- Submitted papers are subject to a blind reviewed process handled by an international technical program committee. An author of an accepted paper must be registered at full rate prior to uploading the camera-ready version.
- Papers should be formatted in accordance with the IEEE conference style, using the provided template.
- The maximum number of pages is 6 for full and 4 for short papers.
- Detailed information is available on the website (<http://icghit.org/>).
- **All papers accepted by ICGHIT, along with all conference content, will be submitted for inclusion into IEEE Xplore. IEEE Xplore will conduct an additional screening process, and there is no guarantee that the papers will be published in IEEE Xplore and indexed by Scopus.**

Important Dates

- Deadline for regular/work-in-progress paper: Nov. 06, 2026 (GMT+9)
- Deadline for workshop proposal: Nov. 06, 2026 (GMT+9)
- Deadline for workshop paper: Nov. 06, 2026 (GMT+9)
- Notification of acceptance of regular paper: Dec. 18, 2026 (GMT+9)
- Notification of acceptance of work-in-progress paper: Dec. 18, 2026 (GMT+9)
- Notification of acceptance of workshop paper: Dec. 18, 2026 (GMT+9)
- Deadline for camera-ready paper (Regular and work-in-progress): Jan. 04, 2027 (GMT+9)
- Deadline for camera-ready workshop paper: Jan. 04, 2027 (GMT+9)
- Deadline for early registration: Jan. 04, 2027 (GMT+9)

Call for Workshop & Exhibition Proposals

ICGHIT 2027 will host workshops or special sessions organized by interested research groups. If anyone is interested in organizing a workshop, please, contact Soohyun Park (shpark21@kookmin.ac.kr).

Best Paper Awards

ICGHIT 2027 will present the Best Paper Awards to the authors of selected outstanding papers.

Contacts (EDAS)

Kyusung Shim (kyusung.shim@hknu.ac.kr)

Eun-Sung Jung (ejung@hongik.ac.kr)

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