



# AICAS 2022

IEEE International Conference on  
Artificial Intelligence Circuits and Systems 2022  
June 13-15, 2022

1<sup>st</sup> Announcement & Call for Paper

## About AICAS 2022

Artificial Intelligence (AI) is driving the new revolution of not only the information technology but also all other industries. New algorithms and application systems are introduced with the power of AI. New computing platforms are required to support the emerging AI algorithms and applications, from cloud servers to edge devices, from system level to circuit level.

Facing this new challenge and opportunity, the AICAS Conference is established to facilitate the state-of-the-art research, innovation and development activities at the frontiers of Artificial Intelligence circuits and systems. It serves as the best platform allowing scholars, technological researchers, and industry from both domestic and international communities to exchange experiences and demonstrate their studies and further advance AI technologies on circuits and systems.

This conference brings together members of our communities to broaden their knowledge in emerging areas of research at the field of Artificial Intelligence and the circuits and systems.

## Topics of Interest

- Circuits and systems for AI
- Deep learning/machine learning/AI algorithms
- Tools/platforms for AI
- Architecture for AI computing
- Hardware/software co-design and design automation for AI systems
- Advanced neural network design
- Neuromorphic circuits, processors, and systems and their applications
- Emerging applications: Internet-of-things, healthcare, smart factories, environment
- Emerging devices and materials for AI
- Computer vision algorithms and architectures
- Recommendation system, language/text processing
- Autonomous/unmanned vehicles and drone
- Robotics and automation
- Metaverse and AR/VR

## Important Dates

- Submission of special session proposal and tutorial proposal : **December 17, 2021**
- Notification of special session proposal : **December 23, 2021**
- Submission of regular paper, live demo and special session full paper: **January 7, 2022**
- Notification of acceptance of tutorial proposals : **January 14, 2022**
- Notification of paper acceptance : **March 25, 2022**
- Submission of camera ready full papers and author registration : **April 15, 2022**
- Early bird registration : **April 22, 2022**

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## Contact us

155, Dongpangyo-ro, Bundang-gu, Seongnam-si, Gyeonggi-do, Republic of Korea  
Tel: +82-2-757-0981 / Email: aicas2022.conf@gmail.com