



# ICEdge

2nd IEEE International Conference  
on Intelligent Computing and  
Systems at the Edge

IISc Bangalore, India

December 17-19, 2026

<https://icedge.org>



The tremendous progress in Artificial Intelligence (AI) and Internet of Things (IoT) technologies has opened up fresh possibilities for innovation and enhanced system-level efficiency across diverse vertical spaces in the technologies involved. The confluence of intelligence, pervasiveness, and energy efficiency, fueled by artificial intelligence of things (AIoT), is paving the way for a new era of intelligent systems capable of real-time sensing, processing, energy-efficient secure communication and actuation, eventually resulting in improved system-level decision-making and resource optimization at the Edge. This Conference on Intelligent Computing and Systems at the Edge seeks to unite researchers, practitioners, and industry experts to exchange their most recent discoveries, experiences, and insights in the exciting domain of AIoT and System Development at the Edge.

## CALL FOR PAPERS

### Important Dates

<b>April 15</b>	Portal Opens for Manuscript Submissions
<b>July 15</b>	Submission Portal Closes
<b>September 15</b>	Author Notifications
<b>September 30</b>	Camera Ready Versions Due

### Tracks

Track1: Circuit Innovation for Edge AIoT  
Track 2: Systems and Architectures at the Edge AIoT  
Track 3: EDA Tools, Systems and Software for Edge AIoT  
Track 4: Emerging Devices and Technologies for Edge AIoT  
Track 5: Security for Edge AIoT  
Track 6: Industrial Design and Applications for Edge AIoT  
Full list of Tracks is available at:  
<https://icedge.org/>

The top selected papers will be invited to journal version in the IEEE Design & Test.

### General Chairs:

Swarup Bhunia, University of Florida;  
Arindam Basu, City University of Hong Kong;  
Debayan Das, IISc Bangalore

### Program Chairs:

Baibhab Chatterjee, University of Florida;  
Akhilesh Jaiswal, University of Wisconsin-Madison,  
Bibhas Ghoshal, IIIT Allahabad

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## Topics of Interest for Edge IoT and AIoT Systems

- Emerging Sensing Technologies for Edge IoT
- Computing Architectures and Technologies at the Edge
- Tiny Machine Learning for the Edge
- Generative AI for Edge IoT
- AI and IoT for the Metaverse
- Energy-efficient and Secure Communication Techniques for AIoT Systems
- Emerging AI Algorithms and architectures for IoT systems
- Machine learning and deep learning for IoT systems
- AI-driven IoT security and privacy concerns and solutions
- AI-based Industrial IoT data analytics/visualization
- IoT-enabled AI applications, involving smart cities, smart homes, smart cars etc.
- Natural language processing and conversational AI for the Edge
- AIoT applications in robotics and industrial automation
- Scalability, performance and energy efficiency in AIoT systems at the Edge
- Intelligent Battery and Power Management for AIoT systems
- Ethical considerations and need for Standards in AIoT Systems

## Additional Notes to Authors

The lead author must obtain consent from all co-authors and provide their information correctly. Submissions must be anonymous for a double-blind review. Authors' names, affiliations, or any other identifying information must not appear in the manuscript. References to the authors' prior work must be cited in the third person. Phrases such as "omitted for blind review" are not allowed in the reference section. PDF metadata must not include any author information. Non-compliant submissions will be rejected without review. Manuscripts must follow the IEEE template and not exceed 6 pages (excluding references). This includes maintaining the specified margins and line spacing and using a double-column format in 9- or 10-point font. Submissions must be in PDF format, readable, and adhere to the template requirements. References may be included within the 6-page limit or on one additional page. According to the IEEE Publication Services and Products Board Operations Manual, the use of AI-generated content (including but not limited to text, figures, images, and code) shall be disclosed in the acknowledgments section. The AI system used needs to be identified, as well as the specific section of the article that uses AI (including the use of AI for editing and grammar).

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