

IEEE-International Conference on Electrical and Electronics for Sustainable Innovations 2026 (ICEESI 2026)

(Hybrid Conference with IEEE Record Number #68020)

27th & 28th March 2026

Special Session on

SS 02: Systems AI-Driven Innovations in Electronics, Signal Processing, and Antenna Design

Organized & Co-Chaired by:



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CALL FOR PAPERS

The accelerating evolution of Artificial Intelligence (AI) is reshaping the landscape of electronics, signal processing, and antenna design. This special session invites researchers, engineers, and industry professionals to explore how AI is revolutionizing embedded systems, smart devices, and electronic architectures. By integrating machine learning, deep learning, and edge computing, we aim to uncover novel approaches that enhance performance, efficiency, and intelligence across electronic applications. This session serves as a dynamic platform for presenting pioneering research, exchanging best practices, and envisioning future directions in the intelligent convergence of AI and electronics.

TOPICS OF INTEREST, BUT NOT LIMITED TO:

We invite original research contributions and case studies on (but not limited to):

- AI-powered signal and image processing algorithms
- Edge AI and embedded intelligence in electronic systems
- Machine learning for sensor fusion and data acquisition
- Deep learning architectures for signal classification and analysis
- Hardware acceleration of AI algorithms (FPGA, ASIC, SoC)
- Smart sensor networks and IoT applications
- AI-enhanced antenna design and optimization
- Biomedical signal processing and intelligent healthcare devices
- Neuromorphic computing and brain-inspired electronics
- Real-time signal processing using AI techniques
- Antenna Design and Development

IMPORTANT DATES:

Paper submission opens: July 25, 2025

Paper submission closes: December 15, 2025

Paper acceptance notification: January 01, 2026

Early Bird Registration opens: January 02, 2026

Last date of Early Bird Registration: January 31, 2026

Normal Registration opens: February 01, 2026

Last Date of Camera-ready paper submission: February 15, 2026

Last Date of Normal Registration: February 16, 2026

Conference Date: 27-28 March 2026

The detailed information can be found here:

Conference URL: <https://iceesi2026.opju.ac.in/>

Submission Link: <https://cmt3.research.microsoft.com/ICEESI2026>

(Please Submit Under SS 02: Systems AI-Driven Innovations in Electronics, Signal Processing, and Antenna Design Tab).

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