

Fifth International Conference on Data, Electronics and Computing (ICDEC-2026)

Organized By
Sardar Vallabhbhai National Institute of Technology (SVNIT), Surat & COMSYS Educational Society, Kolkata

CALL FOR PAPERS • SPECIAL SESSION • TRACK SS1

Special Session:

Intelligent Edge Devices: Real-Time AIoT, Edge Computing, and Cyber-Physical Applications



HYBRID MODE PRESENTATION (ONLINE + ON-CAMPUS)



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ABOUT THE SESSION

As computing shifts from centralized cloud infrastructure to resource-constrained edge devices, this special session offers a platform for researchers and practitioners to present advances in secure, real-time AIoT and edge-computing systems — covering embedded intelligence, TinyML, intelligent sensing, edge analytics, cyber-physical systems, hardware-software co-design and low-power computing.

TOPICS (include, but not limited to)

- AIoT & Edge Computing for Intelligent IoT
- TinyML & On-Device / Edge AI
- Secure & Trusted Embedded Systems
- Cyber-Physical Systems (CPS)
- Intelligent Sensor Networks & Sensor Security
- Side-Channel Attack Detection & Mitigation
- Intelligent Wearable & Biomedical Sensing
- V2X & Vehicular Edge Computing
- Industrial IoT (IIoT) & IIoBT
- Embedded Signal Processing
- Edge Analytics & AI-Driven Sensor Fusion
- Federated & Explainable Edge AI
- Low-Power, Energy-Efficient Computing
- Smart Healthcare, Agriculture & Smart Cities

PAPER GUIDELINES

- Original, unpublished work only.
- AI-generated content will be desk-rejected.
- Paper length: 8–12 pages (LNNS format as per Springer guidelines).
- Papers must follow Springer's plagiarism and AI-content policy.
- Accepted papers, if approved by Springer and the conference steering committee, will be added to the Springer LNNS series.

IMPORTANT DATES

Submission Deadline	Oct 01, 2026
Acceptance Notification	Nov 01, 2026
Registration Due	Nov 10, 2026
Main Sessions	Nov 26–28, 2026

SUBMISSION

Track : SS1: Intelligent Edge Devices: Real-Time AIoT, Edge Computing, and Cyber-Physical Applications

Submit your paper via CMT:
cmt3.research.microsoft.com/ICDEC2026
Track: Special Session SS1

CONFERENCE WEBSITE



www.icdec.org/2026