

# 13th International Conference on Intelligent Embedded, MicroElectronics, Communication, and Optical Networks



08-10 DECEMBER 2025



RIC JAIPUR



IEEE CONFERENCE RECORD NO.: 69302

## CALL FOR PAPERS

### Experience the Forefront of Technological Innovation at IEMECON 2025

Join us at the 13th International Conference on Intelligent Embedded, Microelectronics, Communication, and Optical Networks (IEMECON 2025)—a prestigious annual event organized by the **University of Engineering & Management (UEM), Jaipur**.

IEMECON 2025 will provide a global platform for the exchange of cutting-edge research and groundbreaking developments that are shaping the digital and connected world of tomorrow. As artificial intelligence continues to transform our lives, the conference aims to foster interdisciplinary dialogue and collaboration across intelligent systems, communication infrastructure, microelectronics, and beyond—driving sustainable innovation for the future.

The conference will be held at **Rajasthan International Centre, Jaipur**, located between the historic Pink City of Jaipur. The venue is well-connected to major Indian cities such as Delhi and Mumbai via frequent flights and train services, ensuring easy access for national and international participants.

Mark your presence at IEMECON 2025 and become a part of the global community that is shaping the future of technology.

## Important Dates

Full Paper Submission (Last Date)- 16th September, 2025

Acceptance Notification- 16th October, 2025

Camera Ready Paper Submission- 05th November, 2025

Registration Deadline- 20th November, 2025

Conference Date- 8th-10th December, 2025

### Technical Tracks

#### Track-1: Intelligent Embedded & Machine Learning

Adaptive learning algorithms for dynamic embedded systems, Benchmarking and performance evaluation of embedded ML models, Blockchain for securing IoT transactions, Cloud & IoT Networks, Cognitive IoT: Learning and adapting IoT devices, Consumer Electronics (IoT), Deep learning applications for embedded systems, Device to Device Communication, Edge computing and distributed learning in embedded systems, Edge-based data aggregation and compression techniques, Efficient algorithms for embedded AI, Explainable AI for embedded systems, Federated learning on edge devices, Hybrid Network, Low-power communication protocols for sensor networks, Machine Intelligence Systems & Technologies, Mobile Computing, Network Security, Neural network optimization for resource-constrained devices, Parallel Computing for Industrial IoT, QoS Management in IoT Networks, Real-time machine learning on edge devices, Robotics and Autonomous IoT Modelling, Security and privacy in embedded IoT networks, Sensor fusion and data analytics in embedded systems, Signal & Image Processing, Smart Surveillance, Speech Processing, Transfer learning in resource-constrained environments, Vehicular Networks, Wireless sensor networks for smart environments.

#### Track-2: Microelectronics & VLSI

Analog/ Digital/ Mixed Signal Circuits, Artificial Intelligence in Electronics, Artificial Intelligence Accelerator, Beyond 2D in Packaging and interconnects, Beyond-CMOS Nanoelectronics, Biomedical, Photonics, and Quantum Electronics, Chiplets based heterogeneous designs, Design Automation & CAD Tools, Design for Test, Device Modelling and Process Simulation, Electronic Design Automation (EDA), Emerging Technologies and Applications, Hardware-Software Co-Design, Lab on Chip, Low Power Integrated Circuits & Devices, Memory, Computing & Processor Design, MEMS/NEMS/MOEMS Devices, Multi-FPGA Systems, Nano Electronic VLSI, Nanoelectronics, Magnetic, Optoelectronics Materials and Devices, Neuromorphic Engineering, Power Electronics, Quantum Computing & Devices, Reconfigurable FPGA-based Design, Sensory Circuits and Systems, System Integration, System on Chip, Thin Film, Ultra High Speed Transistors, HEMT/HBT, VLSI Design Optimization, VLSI Testing and Security, Yield Analysis and Optimization.

#### Track-3: Microwave, Photonics & Communication

3D-printed Microwave Antennas & Structures, Aircraft & Satellite Antennas, AL & ML in Photonics, Bio-Photonics, Cognitive Radio, Fiber & Guided Wave Photonics, Lasers & Nonlinear Optics, Meta-Material & Meta-Surface, Microwave & Terahertz Photonics, Microwave Absorbers, Microwave Holography, Microwave in Medicals, Millimeter-wave & THz Antennas, MIMO & 5G, Mobile Communication, Nanophotonics, Plasmonics & Metamaterials, Optical Communication and Networks, Optical Microscopy and Imaging, Photonic Materials & Devices, Photonics, Planar Antennas Plasmonics, Quantum Information and Processing, Quantum Photonics, Radar & Remote Sensing Antennas, Reconfigurable Antennas & Arrays Satellite & Space Communication, Topological Photonics, Ultra Wide Band Antennas, Wearable Antennas, Wireless Transceiver.



For more details kindly visit conference website

<https://iemecon2025.uem.edu.in>

Paper Submission Link

<https://cmt3.research.microsoft.com/IEMECON2025>



[iemecon@uem.edu.in](mailto:iemecon@uem.edu.in)



+91-9198365780, +91-9525392865