



10th International Conference on Trends in Electronics and Informatics

ICOEI 2027



Organized by
Department of EEE
SCAD College of Engineering and Technology
Tirunelveli, India

2-4 AUGUST 2027



About Conference

Emerging trends in electronics and informatics tend to revolutionize the technological landscape, shaping a dynamic and interconnected future. In electronics, the convergence of artificial intelligence, quantum computing, and 5G technology is accelerating the development of smart devices, while flexible and wearable electronics promise unprecedented integration into daily life. Informatics is witnessing a paradigm shift with the rise of explainable AI, blockchain applications beyond cryptocurrencies, and a growing emphasis on cybersecurity and data ethics. The 10th International Conference on Trends in Electronics and Informatics (ICOEI 2027) encourages seamless integration of electronics and informatics to enable innovations in various fields such as IoT, edge computing, and sustainable technologies. As technologies like human augmentation, digital twins, and advanced robotics gain prominence, the theme of 10th ICOEI 2027 will be "Navigating the Frontiers: Unleashing the Potential of Electronics and Informatics" with a focus on creating more efficient, secure, and human-centric systems, laying the foundation for a transformative era marked by intelligent connectivity, data-driven insights, and sustainable solutions.

About College

SCAD College of Engineering and Technology (SCADCET), an NBA Accredited Institution, approved by AICTE & affiliated to ANNA UNIVERSITY CHENNAI, It's an ISO certified institution and recognized by UGC under the section 12(B) & 2(f). SCAD CET is a premier engineering college located in a sprawling 300 acre campus at Cheranmahadevi, a quaint town in Tirunelveli District, Tamil Nadu. The college is managed and run by SCAD Educational Trust of the SCAD Group of Institutions and offers engineering courses in the undergraduate as well as postgraduate degree level. It also provides management and computer application courses at the postgraduate level. Students of Scad College of Engineering and technology are given the opportunity to pursue first-rate and advanced technical education regardless of background, gender or financial constraints. The necessity to promote most advantageous learning and service is well harmonized and clearly expressed by allowing students to successfully plan their education and competently achieve the education they need. Curricular and co-curricular programs form an integral part of the curriculum and help students to have commanding incorporation of theory and practical knowledge. Each individual is motivated to increase the gravity of responsibility and be committed to serve the nation.

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- Integrated Circuit Design for Biomedical Applications
- RF and Microwave Circuits for Communication Systems
- Power Electronics and Control Systems
- VLSI Design and Embedded Systems
- Circuit Techniques for Secure and Resilient Systems
- Energy-Efficient and Sustainable Electronics Design



Informatics and Emerging Technologies

- Quantum-Inspired Machine Learning for Complex Signal Processing
- Biomedical Electronics and Wearable Technologies
- Decentralized Device Technology and IoT Solutions
- Advanced Signal Processing Techniques
- AI and Machine Learning for Electronics Design Automation
- Data-Driven Systems in Electronics
- Embedded Intelligence in Smart Devices
- Computational Techniques for Electronics and Informatics Integration

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Please send a full manuscript to this conference

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