

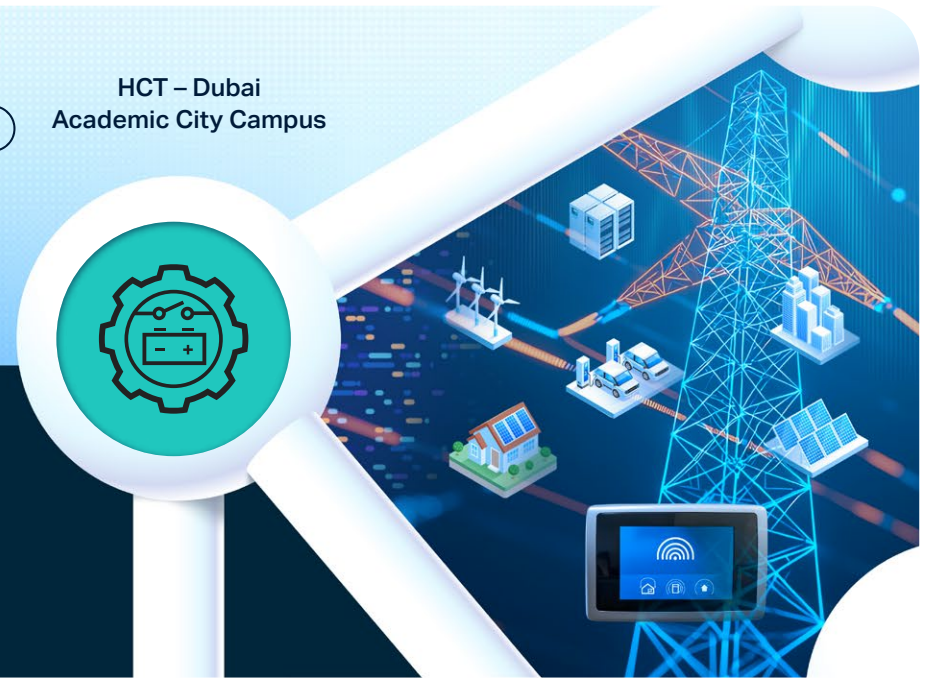


ASET
ADVANCES IN SCIENCE &
ENGINEERING TECHNOLOGY

2026
September
21-23

HCT – Dubai
Academic City Campus

The International Conference on APPLICATIONS IN ELECTRICAL ENGINEERING



CALL FOR PAPERS

Dear Colleagues,

The International Conference on Applications in Engineering is a flagship international conference held under the Advances in Science and Engineering Technology (ASET) series and organized by the Higher Colleges of Technology (HCT), United Arab Emirates. The conference provides a premier global forum for academicians, researchers, engineers, industry professionals, and undergraduate and graduate students, alongside representatives from government and non-government organizations to exchange knowledge and share cutting-edge research.

The conference focuses on both theoretical foundations and practical applications of innovations and technological advancements in Electrical Engineering, Communication Systems and Networks, Electronics, Embedded Systems, Control Systems, and Machine Learning. Emphasis is placed on AI-enabled and intelligent engineering solutions that contribute to sustainable industrial growth, community development, human well-being, and environmental stewardship.

The conference promotes the dissemination of high-quality research across a wide spectrum of Electrical Engineering applications, including power and energy systems, communications and networks, electronics, embedded and control systems, and emerging intelligent technologies. Contributions addressing applications in healthcare, education, sustainability, agriculture, transportation, aerospace, water, air, and space systems are particularly encouraged. The conference aims to present impactful findings to the international engineering community in the form of research, development, design, devices, systems, and real-world applications.

By bringing together researchers, scientists, manufacturers, industry leaders, policymakers, and academic institutions, the conference seeks to foster innovation, support technology transfer, and enable stakeholders to stay at the forefront of rapid technological advancements while contributing meaningfully to the betterment of industry, society, and humanity.

Researchers worldwide are invited to submit original research papers and high-quality review articles. All submissions must be made electronically through the EDAS conference management system. Authors are required to register on EDAS prior to submission.

To submit your paper via EDAS, please use the following URL: <https://edas.info/newPaper.php?c=35043>

Scope and Topics of Interest

The scope of the conference includes, but is not limited to, the following areas:

Electrical & Energy Systems

- ▶ Electrical Engineering Equipment, Devices, Systems, and Applications
- ▶ Renewable Energy Systems and Technologies
- ▶ Hybrid Energy Systems and Applications
- ▶ Smart Grid Technologies and Applications

Communication & Networks

- ▶ Communication Engineering Systems and Applications
- ▶ Computer Networks and Networked Systems
- ▶ Wireless Mesh Networks
- ▶ Wireless Body Area Networks (WBANs)
- ▶ Underwater Sensor Networks

Embedded, Control & Intelligent Systems

- ▶ Embedded Systems Design and Applications
- ▶ Control Systems and Instrumentation
- ▶ Robotics, Automation, and Robotic Process Automation (RPA)
- ▶ Neuromorphic Engineering Systems and Applications

AI, ML & Vision-Based Systems

- ▶ Artificial Intelligence and Machine Learning Applications in Electrical Engineering
- ▶ Computer Vision, Image Recognition, and Intelligent Perception Systems
- ▶ AI-Driven Signal Processing and Smart Sensing
- ▶ Augmented, Virtual, and Mixed Reality Applications

Advanced & Emerging Technologies

- ▶ Nanotechnology Devices and Systems
- ▶ Air, Water, and Environmental Monitoring Systems

Cross-Cutting & Emerging Applications

- ▶ Electrical Engineering Applications in Healthcare and Digital Health
- ▶ Smart Education and Learning Technologies
- ▶ Sustainable and Green Engineering Solutions
- ▶ Intelligent Transportation Systems
- ▶ Any other emerging areas related to Electrical Engineering Equipment, Devices, Systems, and Applications

Special Sessions and Proposals

On behalf of the Organizing Committee, we also invite proposals for special sessions, workshops, tutorials, and panel discussions aligned with the conference themes and emerging research directions.