

7th International Conference on “Energy, Control, Computing and Electronic Systems”



Wednesday 5 November 2025 - Friday 7 November 2025

Mohan Babu University

Scientific Programme

7th International Conference on “Energy, Control, Computing and Electronic Systems”

Track 1: Smart Energy Systems & Power Engineering

Smart grids and microgrids

Renewable energy integration

Power converters and drives

Energy storage systems

Grid automation and protection

Track 2: Control Systems & Automation

Modern control techniques

Process automation and robotics

Adaptive and optimal control

Industrial automation and PLC/SCADA

Nonlinear and robust control

Track 3: Advanced Computing & Data Intelligence

Artificial intelligence and machine learning

Big data analytics

Cloud computing and edge computing

Cybersecurity in computing systems

Quantum and high-performance computing

Track 4: Communication Systems & IoT

Wireless sensor networks

5G/6G communication systems

IoT applications in smart cities

Network security and protocols

SDN and NFV in communication

Track 5: Electronic Systems & Embedded Design

VLSI design and embedded systems

Mixed-signal and analog design

FPGA, SoC, and microcontroller applications

MEMS and nanoelectronics

Low-power electronic design

Track 6: Electric Vehicles & Transportation Technologies

EV propulsion systems

Battery management and charging systems

Vehicle dynamics and control

Power electronics in EVs

Smart transportation infrastructure

Track 7: Sustainable Technologies & Green Engineering

Climate-responsive technologies

Energy-efficient buildings

Sustainable product design

Circular economy and e-waste management

Environmental monitoring systems

Track 8: Signal Processing & Image Computing

Biomedical signal/image analysis

Audio, speech, and language processing

Radar and sonar systems

DSP applications in communication

Remote sensing and computer vision