



November 19-21, 2024, Khenchela, Algeria

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**Aims and Scope**

The 6<sup>th</sup> International Conference on Electrical Engineering and Control Applications (ICEECA'24) provides a forum for specialists and practitioners to present and discuss their research results in the several areas of the conference, and also state of the art findings in using the applied electrical engineering and automatic control to solve national problems that face developing countries. The conference ICEECA'24 publishes papers on theoretical analysis, experimental studies and applications in the domain of automatic control and computer engineering. The objective of the conference is not only the exchange of knowledge and experience, since the conference is an open door to students, but also provides opportunities for researchers to target future collaboration on current issues.

**Topics of interest include, but are not limited to the following:****Control and systems engineering**

Biomedical control systems, Fuzzy and Neural systems, Robust control, Predictive and adaptive control, Nonlinear control, Optimal and stochastic control, Real-time control, Mechatronics & Robotics, Hybrid systems, Intelligent control systems, Control and Embedded systems.

**Renewable energy**

Bioenergy and sustainability, Wind energy, Solar energy, Thermal energy, Hybrid renewable energy, Fuel cell, Energy storage and management, Energy transfer, Photovoltaic energy, Biomass, Geothermal, Nuclear energy, Algorithms, Complexity and stability.

**Faults Diagnosis-Faults Tolerant Control**

Fault accommodation, Fault detection and identification, Fault diagnosis, Fault estimation, Fault tolerant systems, System reconfiguration.

**Large Scale Systems**

Discuss new developments useful in handling complexity in modeling, control and optimization of large scale complex systems such as urban traffic systems, power, Environmental systems.

**Unconventional algorithms in control engineering**

Nature-inspired algorithms in synthesis, Control and identification of nonlinear and complex systems, Fractional order systems and control, Deterministic chaos control, Complex networks control, Big Data in control engineering,

**Signal and Communications**

Signal processing, Cryptography, Biometry and medical imaging, Image segmentation and scene analysis, Data fusion and pattern recognition, Communication systems, Wireless technologies, Antennas and propagation, Modulation and signal design, Satellite communications.

**Micro-and Nanotechnologies**

Physics, modeling, and simulation for material, process, and device, Design and process technology of microelectronics devices, Device and material characterization, Optoelectronics devices, MEMS and Sensors, Reliability and failure analysis.

**Paper Submission**

Prospective authors are invited to submit their papers written in English: The full papers (in doc format) should be submitted in Springer template for conferences via:

<https://cmt3.research.microsoft.com/ICEECA2024>

All registered and presented papers will be printed in Lecture Notes in Electrical Engineering series (Springer), now indexed by ISI Proceedings, EI-Compendex, SCOPUS, MetaPress, and Springerlink

**Important Dates**

Paper submission deadline: **June 30, 2024**  
 Author notification: **October 05, 2024**  
 Final paper Submission: **October 20, 2024**

**Registration Fees**

Ordinary Participants	20000 DA
Ordinary Students	16000 DA
Maghreb participants	250 Euros
Foreign Participants	350 Euros