

IEEE IC 2025 CRETE

JULY 15-18 2025
CHANIA, CRETE

@ MINOA PALACE RESORT
PLATANIAS

CALL FOR PAPER
REV02



SAPIENZA
UNIVERSITÀ DI ROMA



ΠΟΛΥΤΕΧΝΕΙΟ ΚΡΗΤΗΣ
TECHNICAL UNIVERSITY OF CRETE

25TH EEEIC INTERNATIONAL CONFERENCE ON ENVIRONMENT AND ELECTRICAL ENGINEERING



IEEE EEEIC is an international forum for the exchange of ideas and information on energy systems both today and in the future. The conference provides a unique opportunity for industry to interact directly with university researchers, manufacturers and distributors of energy equipment and to discuss a wide variety of topics related to energy systems and environmental issues. The conference is technically sponsored by **IEEE Greece Section**.

The scope of the conference is to promote a forum, where researchers and engineers involved with electrical power systems may exchange their experiences and present solutions found for present and future problems.

The conference offers prominent academia and industrial practitioners from all over the world the forum for discussion about the future of electrical energy and environmental issues and presents a base for identifying directions for continuation of research.

IEEE EEEIC 2025 is the 25th annual conference, making it one of the largest, longest-running, professional networking and educational event of its kind in Europe.

The 25th edition will be held at the prestigious Minoa Palace Resort in Chania (Platanias), Crete (*hybrid mode*).

09TH I&CPS INDUSTRIAL AND COMMERCIAL POWER SYSTEMS EUROPE



The Industrial and Commercial Power Systems Department (I&CPS) is a department of the Industry Application Society (IAS) of the Institute of Electrical and Electronic Engineers (IEEE). The scope of the Industrial and Commercial Power Systems Department includes all matters within the scope of the Industry Application Society relating to the technology of electric power generation, transmission or distribution in industrial, commercial and institutional facilities, and within that segment of industry associated specifically with rural or agricultural applications. The scope also includes the creation of related technical standards governing such applications. The objective of I&CPS Department shall be the advancement of the theory and practice of engineering as it relates to design and management of electrical power systems and comfort conditioning systems within industrial plants, commercial buildings and institutional facilities, and electrical power systems that serve primarily agricultural areas.

The fields of electronics and computer science as applied to industrial and commercial power systems or to electrical comfort conditioning also fall within the objectives of I&CPS.

CO-SPONSORED BY



The Conference has been technically co-sponsored by IEEE since 2008. Accepted and orally presented papers are submitted to IEEE Xplore, and will also be submitted for indexing through INSPEC®, EI's engineering information index, COMPENDEX®, and ISI Thomson's scientific and technical proceedings®, ISTP®/ISI proceedings. The conference proceedings have been indexed by Scopus since 2010 and by Web of Science (Thomson Reuters) since 2013.

ORGANIZER



The International Association on Electrical and Environmental Engineering (APS EEEIA) is a leading international cultural organization in the fields of electrical and environmental engineering, computer and telecommunication sciences, and related areas. The activities of the Society's members encompass all aspects of the profession and research, aiming to elevate the cultural level of engineers working in various domains related to energy and, more broadly, electrical and environmental engineering. Stay connect with www.eeeia.org for more information about our activities and events.



SMART
PEOPLE

SMART
FUTURE

EEEIC 2025 CRETE

TECHNICAL AREAS

A RENEWABLE ENERGY SOURCES AND STORAGES

- ▶ Solar energy
- ▶ Photovoltaic cell technology
- ▶ Hydro and wind energy
- ▶ Biomass and biofuels
- ▶ Energy management and storage
- ▶ High-performance cogeneration

B POWER SYSTEMS AND SMART GRIDS

- ▶ Microgrids modeling, simulation and data management
- ▶ Design, control and management
- ▶ Protection
- ▶ Transmission grids
- ▶ RAM (Reliability, Availability, Maintainability)
- ▶ ICT for power systems
- ▶ Power line communications
- ▶ Power quality

C ENERGY EFFICIENT SYSTEMS

- ▶ Renewable energy, wind, solar, fuel cells, distributed generation within microgrids
- ▶ Demand side management
- ▶ Load forecasting
- ▶ Energy efficiency, conservation and savings
- ▶ Smart metering systems
- ▶ Supervisory control and data acquisition systems SCADA
- ▶ Users aggregation and virtual power plant

D SMART BUILDINGS

- ▶ Smart homes, cities, communities
- ▶ Innovative distribution systems
- ▶ Home and building automation
- ▶ Nearly zero energy buildings
- ▶ Information, security and privacy
- ▶ Lighting systems and components

E CIRCUITS SENSORS AND ACTUATORS

- ▶ Circuits and systems theory & application
- ▶ EMC applications
- ▶ Nonlinear systems
- ▶ Signal processing and identification
- ▶ Sensors and actuators for energy conservation
- ▶ Smart circuits
- ▶ Systems modelling

F MATERIALS

- ▶ Nanotechnology for renewable energy
- ▶ Novel materials for energy harvesting

G ENVIRONMENTAL PHENOMENA AND POLLUTION

- ▶ EM spectrum management
- ▶ Power quality and harmonics

H POWER ELECTRONICS AND COMPONENTS

- ▶ Electrical generators
- ▶ Converters for microgrids
- ▶ Converters for renewable energies
- ▶ Converters for storage
- ▶ Low-frequency EMC

I REGULATION AND ELECTRICITY MARKETS

- ▶ Utility deregulation
- ▶ Regulatory issues and delivery standards
- ▶ Dispatching in power systems
- ▶ Generation and transmission expansion
- ▶ Distributed generation and distribution system

L MOBILITY

- ▶ Sustainable transport systems
- ▶ Electrical vehicles
- ▶ Automotive

M MAINTENANCE, OPERATION AND SAFETY

- ▶ Designing for Safety
- ▶ Grounding
- ▶ Lightning
- ▶ Hazard - Electric shock, arc flash, fire and explosion
- ▶ Maintenance and operation of electric power systems
- ▶ On line real time equipment diagnostic
- ▶ Work practices and procedures
- ▶ Electrical safety training

N MEASUREMENTS

- ▶ Environmental and electrical measurements
- ▶ Advanced instrumentation and data acquisition systems
- ▶ Intelligent distributed systems and remote control
- ▶ Signal and image processing

GENERAL INFO

IEEE EEEIC25 + I&CPS Europe will be held from **July 15th to 18th 2025** in Chania (Crete) - hybrid mode.

Accepted and presented papers are submitted to IEEE Xplore, and will also be submitted for indexing through INSPEC®, EI's engineering information index, COMPENDEX®, and ISI Thomson's scientific and technical proceedings®, ISTP®/ISI proceedings. The Conference proceedings have been also indexed by Scopus since 2010.

- ▶ The conference will be held in person ⁽¹⁾
- ▶ Remote sessions with special fees will be available in case of difficulty in attending in person and for developing countries according to IEEE policies
- ▶ Accepted and presented papers are published on IEEE Xplore, and indexed through SCOPUS index ⁽²⁾
- ▶ I&CPS Europe is the only conference sponsored by IAS in Europe and therefore all the accepted and presented papers will be considered for IEEE Transactions on Industry Applications

⁽¹⁾In the unfortunate event of new pandemic restrictions the conference will be changed to online

⁽²⁾EEEIC Conference is indexed by IEEE Xplore, SCOPUS since 2010 and by Web of Science (THOMSON REUTERS Conference Proceedings Citation Index) since 2013

SUBMISSION PROCEDURE

Authors are invited to submit original papers in the areas aforementioned. Prospective authors should submit a preliminary full paper (4/6 pages, 2-column in IEEE format) by **May 15th 2025**.

The papers should clearly explain the originality and the relevance to the fields, and should be uploaded in electronic format to the website of the symposium. The guidelines to upload will appear on the official website www.eeeic.net.

All submitted papers will be evaluated by a peer review process. An efficient review process will be guaranteed, with the decision being notified to the corresponding author within 3 weeks from submission.

Authors whose papers are accepted for presentation will be requested to provide the final full paper within 2 weeks from acceptance notification reception, combined with a registration for each submitted paper.

For authors from industry typical paper length may be reduced to 3 pages. Poster sessions and special sessions will stimulate more in depth discussions on some specific and relevant topics.

CALL FOR SPECIAL SESSIONS

Prospective organizers of special sessions should send their proposals via email to **Rossano Musca** (rossano.musca@unipa.it). Special sessions are scheduled for one-quarter day (at most 5 speakers) / one-half day (at most 10 speakers) and are held during the Conference. All special session papers are peer reviewed through the same process as all the other submitted technical papers.

WORKING LANGUAGE

The working language of the conference is English, which will be used for all printed material, presentations, posters and discussions.

CONTACT INFO

Details about the conference technical program, as well as social events and hotel accommodation, will be available shortly on the official conference portal www.eeeic.net

For any query, please do not hesitate to contact the Organising Committee at the following e-mail address:

info@eeeic.net (for organizing questions)
pc@eeeic.net (for papers and technical issues).

FULL PAPER

SUBMISSION START	+	15TH FEBRUARY 2025
SUBMISSION END	+	15TH MAY 2025
ACCEPTANCE NOTIFICATION	+	WITHIN 3 WEEKS FROM SUBMISSION
FINAL SUBMISSION	+	WITHIN 2 WEEKS FROM ACCEPTANCE NOTIFICATION

SPECIAL SESSION

PROPOSAL	+	01ST FEBRUARY 2025
ACCEPTANCE NOTIFICATION	+	15TH FEBRUARY 2025

EARLY BIRD	+	15TH MAY 2025
REGISTRATION END	+	



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