

CALL FOR PAPERS



eeeam
ASIA MEETING
ON ENVIRONMENT AND
ELECTRICAL ENGINEERING

EEE-AM 2023
2023 IEEE Asia Meeting
on Environment and Electrical Engineering
Accelerating the Energy Transition
National Convention Center, Hanoi - VIETNAM
From 13th to 15th November 2023

Websites: https://iee_eeeam.eju.edu.vn/index.html
and <https://www.eeeam.net/EEE-AM/>

IEEE EEE-AM 2023 1st EDITION

The Asia Meeting on Environment and Electrical Engineering (EEE-AM 2023) is part of the established annual International Conference on Environment and Electrical Engineering (IEEE EEEIC) series and will be organized for the first time in Asia in the beautiful and dynamic city of Hanoi, Vietnam, during 13th to 15th of November 2023. This year's Asia edition of the conference will focus on the theme "Accelerating the Energy Transition". It will be an international forum for exchanging research, innovations, and development in energy and power systems.

The ever-increasing environmental concerns and the intensive international efforts to reduce greenhouse gas emissions stimulate stakeholders to offer their best contributions to accelerate the global energy transition. EEE-AM 2023 provides a unique opportunity for academic researchers to interact with experts from industrial manufacturers and energy utilities and to discuss a wide range of topics related to energy systems and environmental issues. This forum highlights values from cross-continental collaborations in enabling renewable energy diversification and sustainable development.

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TECHNICAL AREAS

A. RENEWABLE ENERGY SOURCES AND STORAGE

- ▶ Solar energy, photovoltaic cell technology
- ▶ Hydro, wind energy
- ▶ Biomass and biofuels
- ▶ Battery, hydrogen and energy storage
- ▶ High-performance cogeneration
- ▶ Integration, management of energy storage systems

B. POWER SYSTEMS AND SMART GRIDS

- ▶ Microgrids modeling, simulation and data management
- ▶ Dynamic, transient and real-time simulation
- ▶ RAM (reliability, availability, maintainability)
- ▶ EMS, optimization, multi-agent and distributed control
- ▶ ICT for power systems, clouds, interoperability, cybersecurity
- ▶ Digital transition, AI applications, Big data and Digital Twin
- ▶ Smart protection and automation
- ▶ Integration and management of RES and storage systems
- ▶ Technologies and processes for flexible and resilient grids

C. CYBER-PHYSICAL ENERGY SYSTEMS

- ▶ Cyber-physical energy and multi-energy systems
- ▶ Nuclear for energy transition
- ▶ Gas, thermal systems and power-to-X storage
- ▶ Energy emergency
- ▶ Industry 4.0 for energy

D. ENERGY EFFICIENT SYSTEMS

- ▶ Demand response, load forecasting
- ▶ Energy efficiency, conservation and savings
- ▶ Smart metering systems
- ▶ Users aggregation and virtual power plant

E. SMART BUILDINGS AND SMART CITY

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

F. CIRCUITS, SENSORS AND ACTUATORS

- ▶ Circuits, systems theory and application
- ▶ EMC and quality
- ▶ Signal processing and identification
- ▶ Sensors, actuators, and smart circuits
- ▶ Systems modelling

G. MATERIALS AND NANOTECHNOLOGY

- ▶ Nanotechnology for renewable energy
- ▶ Novel materials for energy harvesting
- ▶ NEMS, MEMS Applications for energy

H. ENVIRONMENTAL PHENOMENA AND POLLUTION

- ▶ EM spectrum management
- ▶ Environmental phenomena
- ▶ Pollution and solutions

I. POWER ELECTRONICS AND COMPONENTS

- ▶ Advancements in power electronics for smart grids
- ▶ Converters for microgrids, renewable energies, and storage
- ▶ Low-frequency EMC
- ▶ HVDC, MVDC and hybrid power systems
- ▶ SiC and GaN

J. MOBILITY

- ▶ Sustainable transport systems
- ▶ Electric vehicles, charging infrastructure
- ▶ Grid impacts and support from EVs

K. MAINTENANCE, OPERATION AND SAFETY

- ▶ Designing for safety, grounding, lightning
- ▶ Hazard - Electric shock, arcfash, fire and explosion
- ▶ Maintenance and operation of power systems
- ▶ Online real-time equipment diagnostic
- ▶ Work practices and procedures, electrical safety training

L. MEASUREMENTS

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

M. POLICY, REGULATION, ELECTRICITY MARKETS AND STANDARDS

- ▶ Energy policy
- ▶ Utility deregulation
- ▶ Future energy markets, flexibilities valorization and trading
- ▶ Design, modelling of electricity and ancillary services markets
- ▶ Regulatory issues and standards
- ▶ Generation, distribution and transmission expansion planning

N. TRAINING AND EDUCATION

- ▶ Training on energy transition
- ▶ Education on energy transition

GENERAL INFO

IEEE EE-AM 2023 will be held from 13th to 15th November 2023 in Hanoi (Vietnam) in **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®, ISTEP®/ISI proceedings. The Conference proceedings will also be indexed by Scopus.

- ▶ The conference will be held in person⁽¹⁾
- ▶ Remote sessions with special fees are available in case of difficulty in attending in person and for developing countries according to IEEE policies
- ▶ Accepted and presented papers will be published on IEEE Xplore, and indexed through SCOPUS index⁽²⁾
- ▶ 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⁾ IEEE-AM Conference will be indexed by IEEE Xplore, SCOPUS and by Web of Science (THOMSON REUTERS Conference Proceedings Citation Index)

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SUBMISSION PROCEDURE

Authors are invited to submit original papers in the aforementioned areas. Prospective authors should submit a preliminary full paper (4/6 pages, 2-column in IEEE format) from May 1st to June 30th, 2023.

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.eeeam.net/EEE-AM.

All submitted abstracts will be evaluated by a peer review process.

Authors whose papers are accepted for presentation will be requested to provide the final full paper by October 1st, 2023, 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.

WEB AND PUBLICATIONS CHAIR

Prof. Leonowicz Zbigniew
Institute of Fundamentals of Electrical Engineering,

SPECIAL SESSIONS CHAIRS

Prof. Zizzo Gaetano
University of Palermo, Palermo, Italy

Regular Papers

FULL PAPER Preliminary Submission
FULL PAPER Acceptance Notification
FULL PAPER Submission

Special Sessions

SESSION Proposal
SESSION Acceptance Notification

CALL FOR SPECIAL SESSIONS

Prospective organizers of special sessions should send their proposals via email to the Special Sessions Chairs: Gaetano Zizzo (gaetano.zizzo@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.

CONTACTS INFO

Details on the technical program of the conference, as well as social events and hotel accommodation, will be available shortly on the conference website https://iee_eeeam.epu.edu.vn/index.html or <https://www.eeeam.net/EEE-AM/>. For any questions, please do not hesitate to contact the Organising Committee at the following e-mail address: info@eeeic.net or qlkh@epu.edu.vn (for organizing questions) or pc@eeeic.net or hungdv79@epu.edu.vn (for papers and technical questions)

May 1st to June 30th 2023
September 15th, 2023
October 1st, 2023

April 15th, 2023
June 30th, 2023

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EEE-AM 2023

HA NOI

13th to 15th November 2023

