















EEE-AM 2025

2025 IEEE Asia Meeting on Environment and Electrical Engineering "THE FUTURE OF ELECTRICAL ENGINEERING: TRENDS AND INNOVATIONS"

Hanoi - VIETNAM From 5th to 7th November 2025

IEEE Conference Record Number #66675

Website https://ieee_eeeam.epu.edu.vn/index.html and https://eeeam.net

Welcome to EEE-AM 2025

The second Asia Meeting on Environment and Electrical Engineering (EEE-AM 2025) will focus on the overall theme of "The Future of Electrical Engineering: Trends and Innovations" which will drive and accelerate progresses in providing innovative solutions for future fossil-free economies.

The conference will serve as a meeting place for manufacturing industries, power utilities, authorities and academia to exchange ideas and developments within Electrical Engineering as well as to enhance their collaborations to jointly address complex challenges in delivering sustainable future energy systems. This conference will be a full face-to-face one.

EEE-AM 2025 is technically co-sponsored by IEEE and fully sponsored by IEEE IAS, IEEE PES. 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 are also indexed by Scopus.

IMPORTANT DATES

Regular Papers

May 1st to **July 31th, 2025** September 1st, 2025 September 30^{tt}, 2025 FULL PAPER Preliminary Submission FULL PAPER Acceptance Notification Final FULL PAPER Submission

Special Sessions

SESSION Proposal: April 15th, 2025 SESSION Acceptance Notification: June 30st, 2025

Registrations

Early-bird registration: Before Oct. 10th, 2025 Standard registration: From Oct. 10th, 2025

Topic List:

01 SOURCES AND STORAGE

- + Solar, hydro, and wind energy
- + Photovoltaic cell technology
- + Biomass and biofuels
- + Hydrogen
- + Battery, supercapacitors, flywheel
- + Innovative devices for energy storage
- + High-performance cogeneration
- + Renewable sources within microgrids

02 POWER SYSTEMS AND SMART GRIDS

+ Advanced solutions for grid flexibility

05 CIRCUITS, SENSORS AND ACTUATORS

- + Systems theory and modelling
- + Nonlinear circuits and systems
- + Solutions for EMI reduction and EMC
- + Signal processing and identification
- + Sensors and actuators
- + Smart circuits

06 MATERIALS FOR THE SUSTAINABLE TRANSITION

- + Materials for energy
- + Novel materials for energy harvesting

10 SAFETY AND DIAGNOSTIC

- + Grounding
- + Lightning protection systems
- + Hazard Electric shock, arc flash, fire and explosion
- + Safety-oriented designs, work practices and procedures
- + Maintenance and operation practices
- + On line real time equipment diagnostic

11 MEASUREMENTS

+ Environmental and electrical measurements

















- + RAM (reliability, availability, maintainability)
- + Distributed control
- + Demand side management, load forecasting
- + Energy efficiency, conservation and savings
- + Supervisory control and data acquisition systems
- + Users aggregation and virtual power plant
- + Electro Magnetic Transient (EMT) models and real-time digital simulations

03 ARTIFICIAL INTELLIGENCE AND DIGITALIZATION

- + Generative AI applications in power systems
- + Cyber-physical energy and multi energy systems
- + Digital Twin
- + ICT for power systems, interoperability, cybersecurity
- + Data processing for AI applications

04 SMART ENVIRONMENTS

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

- + Nanotechnology for renewable energy
- + Applications of NEMS, MEMS for energy
- + Water Desalination

07 POWER ELECTRONICS AND IMPACT ON POWER QUALITY

- + Semi-conductor, SiC, GaN
- + Converters and components
- + HVDC, MVDC, LVDC
- + Control: GFM, GFL
- + Power quality
- + Harmonic and interharmonic distortion

08 REGULATION AND ELECTRICITY MARKETS

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

09 GREEN MOBILITY

- + Sustainable transport systems
- + Battery, H2, fuel-cell
- + Power electronics for green mobility
- + Smart charging, fast charging, DC charging

- + Complex or smart measurement architectures
- + Advanced instrumentation and data acquisition systems
- + Signal and image processing
- + Data management

12 INNOVATION, POLICY, EDUCATION AND STANDARDS

- + Innovation, Start-up, intellectual property
- + Policy
- + Energy regulation
- + Training and education
- + Standards

13 NUCLEAR ENERGY

- + Existing technologies and development
- + Generation IV reactors and nuclear fusion
- + Existing technologies and development
- + Small and Modular Reactors
- + Roles of nuclear in energy systems
- + Radioactivity protection and safety
- + Work force for nuclear energy industry
- + Policies, regulatory and training

SUBMISSION PROCEDURE

Authors are invited to submit original papers in the areas aforementioned. Prospective authors should submit their Full Paper (4/6 pages, 2-column in IEEE format) by July 31, 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 conference. The guidelines to upload will appear on the website https://www.eeeam.net/EEE-AM/ and https://ieee_eeeam.epu.edu.vn/index.html.

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 September 30, 2025 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 the Special Sessions Chairs, Gaetano Zizzo, at the addresses 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.

CONFERENCE VENUE: The conference will be held at Vietnam National Innovation Center (NIC), Hoa Lac Hi-tech Park, Tân Xá, Thach Thất, Hanoi, Vietnam















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Details on the technical program of the Conference, as well as social events and hotel accommodation, available shortly on the conference website https://ieee_eeeam.epu.edu.vn/index.html or https://ieee_eeeam.epu.edu.vn/index.html or https://ieeeam.net.

For any query, please do not hesitate to contact the Organising Committee at the following email address: info@eeeic.net or qlkh@epu.edu.vn (for organizing questions) or pc@eeeic.net