



## EEE-AM 2025

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

**Hanoi - VIETNAM**

**From 5<sup>th</sup> to 7<sup>th</sup> November 2025**

**IEEE Conference Record Number #66675**

Website: [https://ieee\\_eeeam.epu.edu.vn/index.html](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®, ISTEP®/ISI proceedings. The Conference proceedings are also indexed by Scopus.

### IMPORTANT DATES

#### Regular Papers

May 1<sup>st</sup> to **July 31<sup>th</sup>, 2025**

September 1<sup>st</sup>, 2025

September 30<sup>th</sup>, 2025

FULL PAPER Preliminary Submission

FULL PAPER Acceptance Notification

Final FULL PAPER Submission

#### Special Sessions

SESSION Proposal: April 15<sup>th</sup>, 2025

SESSION Acceptance Notification: June 30<sup>st</sup>, 2025

#### Registrations

**Early-bird registration:** Before Oct. 10<sup>th</sup>, 2025

**Standard registration:** From Oct. 10<sup>th</sup>, 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](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](mailto: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, Thạch Thất, Hanoi, Vietnam

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