

# ICEF2025

The 4<sup>rd</sup> International Conference on Electrical Facilities and information technologies 2025

August 18(MON) - 21(THU)  
SEASHELLS Hotel &  
Spa Phú Quốc, Vietnam

## New Intelligence Technology : Past, Present and Future

### Overview

Date	August 18 - 21, 2025
Venue	SEASHELLS Hotel & Spa Phú Quốc, Vietnam
Conference Type	Hybrid (Virtual+Offline)
Web Site	<a href="http://www.icef2025.org">www.icef2025.org</a>
Hosted by	KIEE EF (KIEE Electrical Facilities Society)
Organized by	Ho Chi Minh City University of Technology, HCMUT Korea National University of Transportation

### Welcome to ICEF 2025

The International Conference on Electrical Facilities and information technologies 2025 (ICEF2025) is an annual event co-sponsored by the above two institutions with the aim to provide an international platform for electrical Facilities and experts for sharing information and addressing issues in multifaceted fields of electrical Facilities and information technologies

The ICEF2025 would like to invite prospective authors to share ideas and join discussions on emerging challenges and key questions during the evolving of a safe, reliable, sustainable and intelligent Electrical Facilities and information technologies. ICEF2025 welcome the potential authors from the fields.

### Conference Topics

Paper Topics  
Include, But Are  
Not Limited To:\*

#### Session 1 Future Electric Facility Planning and Operations

- Power Distribution Network Modeling, Analysis and Control
- HVDC, MVDC & LVDC: Design, Control and Protection
- AC-DC Hybrid Grid Operation, Control and Protection
- Electrical Safety : Design, Control and Protection
- Electric Machinery and Drives
- Energy Storage Systems, Renewable Energy

#### Session 2 Smart Electric Facility

- Smart Grids, Micro-grid, and Utility Applications
- Smart Energy Management for Home, Building and Factory
- Smart Materials and Devices, Media Facade and Large Format Display
- Illuminating Design and Light Installation
- Electrical Installation Design and Construction Technology
- Technical Specification for Electrical Installation
- Converge Technique for Electric Facility

#### Session 3 Information Communication Technology

- Software System & Engineering
- Communications and Networking
- VR/AR, Metaverse
- 3D Printing, Digital Twin
- Artificial Intelligence
- Embedded System, IoT/Edge Computing
- Data Science, Big Data, Database, Data Mining

#### Session 4 Intelligent Transportation Technology

- Railway System & Technology
- Smart Automobile Technology
- Aircraft System and Control Technology
- Mechanical System
- Intelligent Transportation System
- Road Operation Technology
- Mechatronics & Robotics

#### Session 5 Material Science and Technology

- Material Synthesis and Processing
- Semiconductor Devices
- Solid State Physics
- Smart Materials
- 2D materials
- Chemical Engineering

#### Session 6 Building Integrated Photovoltaic System

- Solar cells & modules
- Power conversion, optimization, simulation
- Building Information Modeling (BIM)
- PV system operation & maintenance
- BIPV system design and construction
- New and renewable energy grid connection
- Sensors and monitoring systems

### Important Dates

- Abstract Submission : **30 June, 2025**
- Abstract Acceptance : **11 July, 2025**
- Submission of Full Papers(Optional) : **22 July, 2025**
- Early Registration : **22 July, 2025**
- Final Presentation File Submission : **22, July, 2025**

### Conference Language

The official language of the Conference is English.

### Venue & Accommodation

The ICEF 2025 Organizing Committee has reserved accommodations at special room rates in Phú Quốc, Vietnam for the duration of the conference, specific information of which will be announced on the web then.

### Publication in Academic Journals\*

All papers presented at ICEF 2025 will be published in Conference Proceedings. Selected papers will be recommended to the review process for the possible publication in Journal of Electrical Engineering & Technology or the Transactions of the Korean Institute of Electrical Engineers

- JEET(SCIE, Scopus) : Journal of Electrical Engineering & Technology
- T.KIEE (Scopus) : The Transactions of the Korean Institute of Electrical Engineers
- Other Journals (Not Scopus) :

\* If you have any journal for Vietnam, please suggest journals and then, they can be added in publication.

### Contact Information

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