ICEF 2024

The 3rd International Conference on Electrical Facilities and information technologies 2024

"New Intelligence Technology : Past, Present and Future"

August 20(TUE) – 23(FRI), 2024
Mongolian University of Science and Technology, Ulaanbaatar, Mongolia

Overview

Date	August 20 – 23, 2024
Venue	Mongolian University of Science and Technology, Ulaanbaatar, Mongolia
Conference Type	Hybrid (Virtual+Offline)
Web Site	www.icef2024.org
Hosted by	KIEE EF (KIEE Electrical Facilities Society)
Organized by	KOICA (Korea International Cooperation Agency)
	MUST, Mongolia
	- School of Information and Communication Technology (SICT)
	- Power Engineering School (PES)
	- School of Mechanical Engineering and Transportation (SMET)
	SangMyung University, Korea
Supported by	Hanbat National University, Korea

Welcome to ICEF 2024

The International Conference on Electrical Facilities and information technologies 2024(ICEF2024) 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 ICEF2024 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. ICEF2024 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

Session3
Information Communication Technology
- Software System & Engineering
- Artificial Intelligence
- Communications and Networking
- Embedded System, IoT/Edge Computing
- VR/AR, Metaverse
- Data Science, Big Data, Database, Data Mining
- 3D Printing, Digital Twin

Session 4
Intelligent Transportation Technology
- Railway System & Technology
- Intelligent Transportation System
- Smart Automobile Technology
- Road Operation Technology
- Aircraft System and Control Technology
- Mechatronics & Robotics
- Mechanical System

Session 5
Material Science and Technology
- Material Synthesis and Processing
- Smart Materials
- Semiconductor Devices
- 2D materials
- Solid State Physics
- Chemical engineering

Session 6
Building Integrated Photovoltaic System
- Solar cells & modules
- BIPV system design and construction
- Power conversion, optimization, simulation
- New and renewable energy grid connection
- Building Information Modeling (BIM)
- Sensors and monitoring systems
- PV system operation & maintenance

Important Dates

- Abstract Submission : May 26, 2024
- Abstract Acceptance : June 10, 2024
- Submission of Full Papers : June 23, 2024
- Author / Early Registration : June 23, 2024
- Final Presentation File Submission : August 10, 2024

Conference Language

The official language of the Conference is English.

Venue & Accommodation

The ICEF 2024 Organizing Committee has reserved accommodations at special room rates in Ulan Bator, Mongolia for the duration of the conference, specific information of which will be announced on the web then.

Publication in Academic Journals

The selected papers in the conference will be recommended to the following journals.
- JEET(SCIE, Scopus) : Journal of Electrical Engineering & Technology
- T.KIEE (Scopus) : The Transactions of the Korean Institute of Electrical Engineers
- ICT Focus : Information and Communication Technology Focus

Selected papers will be re recommended to the review process for the possible publication in the Journal of Electrical Engineering & Technology

Contact Information

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