



# Sustainable and digital power grids of the future

*"Operation, Planning and Regulatory Perspectives"*

## JORDAN CIGRE NATIONAL COMMITTEE (JCNC)

Hashemite Kingdom of Jordan – Amman

22-23 November, 2023

### Introduction

In light of the continuous complexities and challenges facing power systems in the future, Jordan Cigre National Committee (JCNC) is pleased to invite engineers and experts in industrial and academic sectors as well as the researchers in electrical and energy fields to participate in the conference titled "Sustainable and digital power grids of the future", which will be held in Dead Sea, Jordan during the period 22-23 November 2023 and to attend the power system components exhibition associated with this conference.

This conference constitutes a valuable chance to enhance the interaction and exchange of ideas among participants. It will also be a unique event for electric and energy utilities and industry representatives, to present their problems and plans to solve the problems arising from the various operational, financial, environmental and regulatory issues.

The conference will bring together international, regional, and local energy leaders and experts to discuss best practices and policies focused on power systems resilience, innovations, technologies, solutions, and sustainability efforts. The two days event will offer unique networking opportunities and include plenary sessions, panel discussions and workshops to discuss the power systems future. In parallel to the event an exhibition will take place to provide a platform for power and energy companies to showcase their latest innovations, solutions and technologies and allow participants to further strengthen their professional network and build partnerships with key power and energy stakeholders locally, regionally, and internationally.

The conference focuses on recent researches, developments and policies related to transition to innovative, sustainable and resilient power systems. The conference provides an opportunity for experts, scholars and engineers to exchange knowledge about such technical and regulatory aspects during technical sessions.

### Conference Objectives

1. Enhancing the cooperation and experience between electric and energy sectors in the planning, operating and controlling power systems.
2. Encouraging research and studies in the fields of power generation, transmission and distribution.
3. Enabling energy and electric engineers to demonstrate their practical problems associated with maintaining stability and continuity of supply at affordable costs.
4. Encouraging university students to make joint research with engineers in electric utilities in the fields of power systems.

### Important Dates

Receipt of abstracts deadline:	June 10 2023
Notification of abstract acceptance	June 25 2023
Receipt of full papers	August 10 2023
Notification of paper acceptance	September 5 2023
Receipt of the power point presentation deadline	October 1 2023





#### Conference Topics

- The intelligent monitoring, control, protection, and communication
- Security, Reliability, operation, and Resilience of Future Power Networks
- The Distributed Energy Resources (DERs) and Its Integration
- The regional and global interconnected power systems
- HVDC Interconnections
- Power system stability and Frequency Control in Future
- Low-Inertia Power Systems
- The Power electronics-based transmission controllers
- Advanced transmission and distribution technologies
- Energy efficiency
- Power system reliability
- Microgrids and decarbonization of the electricity system
- Digitalization and automation in Future power systems
- big data, artificial intelligence, machine learning and blockchain technology for the electric energy sector of the future.
- Role of large-scale Energy Storage facilities and Demand Response programs in Future Power System
- Incentivized Energy Efficiency and Demand Side Management
- The evolution of electricity markets and energy trading

#### Conference Language

The papers should be submitted in English language

#### Paper format

The following should be taken in consideration when the paper is prepared:

- Paper title: Font: Times New Roman, bold size 16
- Author/Authors name and address: Font: Times New Roman, normal size 14
- Paper abstract: Font: Times New Roman, italic bold, size 12, maximum 300 words.
- Text: The titles and paragraphs should be arranged in proper way as possible.
- Font: Times New Roman, normal, size 12.
- Figures and diagrams: figures and diagrams including pictures should be numbered and titled in a proper way. They should be sequentially ordered.
- Conclusions and recommendations: should reflect the importance of paper including the significance, challenges and applications.
- Acknowledgment: (if it is required): to be placed before references.
- References: adequate and sequential references, according to their places in paragraphs, should be used in the paper.
- MS Word Office: is preferably used.

#### Registration Fees

- a. 210 USD (150JD): for utilities and companies who are members in Cigre Jordan
- b. 350 USD (250JD): for utilities and companies who are NOT members in Cigre Jordan
- c. 30 USD (21JD): for university students
- d. 150 USD (105JD): for attending each of workshops
- e. Registration for Authors is free

#### Correspondence

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