

# **IEEE PES CUI**

# WEBINAR

On Renewable Energy Integration

On 17<sup>th</sup> August, 2024



# **IEEE PES CUI:**

IEEE PES /PELS Islamabad section joint chapter Event.



## **Event Title:**

Renewable Energy Incorporation, to create power using resources like sun, water, wind energy to create greener solutions for the world and also creating electricity using renewable energy resources.

# **Organizers:**



IEEE PES/PELS Islamabad section Joint Chapter, IEEE SB UET Taxila, IEEE PES UET Taxila, IEEE PES CUI.

Speaker: Eng. Hanane Oudli

Venue: Microsoft teams

Date: 17<sup>th</sup> August, 2024

Time: 5:00 to 6:00 PM (Pakistan Standard Time)

#### **Objective:**

The objective of the webinar was to discuss some innovative and creative ways of using natural resources to fulfill our requirements, generating electricity using renewable energy resources.

#### About speaker:

Electrical engineer Hanane Oudli, with over 10 years of work experience in the Electrical Engineering industry. She has been awarded four times with "The EIT Women in Engineering scholarship" for her excellent academic performance. She has expertise in Power system Protection, Transmission, Automation Industries, Data Center Operations and Remote Control Systems (SCADA).

She is also proficient in designing various electrical systems for oil &Gas services. Also skilled in risk mitigation and providing solutions to enhance system reliability, efficiency, and sustainability.

#### Introduction:



On August 17<sup>th</sup>, 2024, a significance event titled "Renewable Energy Integration" was organized by IEEE PES/PELS Islamabad Section Joint Chapter. The event aimed to provide attendees with valuable insight into the process of plugging renewable sources of energy into the electric grid and also has provided the listeners the need and benefits of generating energy from self-replenishing resources like wind, sunshine, and water etc.

# **Event details:**

The event commenced promptly at 5:00 pm Pakistan standard time, with attendees from various academic and professional backgrounds joining the virtual session. There were about 40 to 50 attendees during the virtual session. The opening remarks were delivered by the organizers, expressing gratitude to all participants and highlighting the importance of the session in exploring the vast and new ways of energy integration.

# **Keynote Address:**

The esteemed speaker Eng. Hanane Oudli, commenced the session with her enlightening keynote address. Drawing upon her extensive experience and expertise in the field of Electrical Engineering. She provided invaluable insights into the comprehensive benefits of Renewable Energy Integration. She elaborated various methods of incorporating renewable energy sources into exciting electric power grids, also informed her listeners about the self-replenishing sources such as hydropower, geothermal, wind and solar and told that these sources can provide enough energy for a green future if appropriately integrated.

#### **Interactive Session:**

Following the keynote address, an interactive session ensured, allowing participants to engage with the speaker and pose questions regarding power grid methods. Ms. Hanane Oudli responded to queries with clarity and depth, offering advices and providing different methods of power grids to the interested audience.

## **Conclusion:**



In conclusion, the event proved to be a resounding success, providing attendees with a comprehensive understanding of the Energy storage for the smooth integration of renewable resources into existing energy infrastructure. The collaboration between IEEE PES/PELS Islamabad Section Joint Chapter, IEEE SB UET Taxila, IEEE PES UET Taxila, and IEEE PES CUI & SAC facilitated a dynamic and enriching discussion, leaving participants inspired and motivated to explore the limitless possibilities of energy integration.

#### - Acknowledgment:

The organizers extend their sincere appreciation to all participants, the esteemed speaker, Eng. Hanane Oudli, and the collaborating organizations for their invaluable contributions to the success of the event.

