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	Engr. Dr. Amir Zeb , NEDUET	Engr. Dr. Munsif Ali Jatoti , SSUET

FEIC MEMBERS



FEISCA MEMBERS



DATE & CONFERENCE VENUE

1st Day Friday 7th June, 2024 Inaugural Session at NEDUET, Karachi
2nd Day Saturday 8th June, 2024 Technical Sessions / Closing Session at IEP Covention Centre, 5th Floor, IEP Building, Shahrah-e-Faisal, Karachi

CONTACT DETAILS

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GLIMPSES OF 8th IECC-2023



The Institution of Engineers Pakistan
 Karachi Centre
 &
NED University of Engineering & Technology, Karachi

JOINTLY PRESENTS

9th INTERNATIONAL ELECTRICAL ENGINEERING CONFERENCE

"Illuminating Pathways: Navigating Pakistan's Energy Challenges and Opportunities" – Rappel-Up 2024

7th & 8th JUNE, 2024
KARACHI - PAKISTAN



(HYBRID MODE)
 (Physical & Online through ZOOM)

IN COLLABORATION WITH



9th International Electrical Engineering Conference (9th IEE-2024)

International Electrical Engineering Conference is now a regular feature in the events-calendar of the Institution of Engineers Pakistan and NED University of Engineering & Technology, Karachi. Eight International Electrical Engineering Conferences have been organized in the past in as theme related to contemporary advancements and 8th IEEC was held on 25th & 26th August, 2023 at NEDUET, Karachi. The conference organized in collaboration with Federation of Engineering Institutions of Islamic Countries, Federation of Engineering Institutions of South & Central Asia United Nations Educational scientific and Central Organization, NED International Alumni Network (NEDIAN) Association Pakistan, Balochistan University of Information Technology Engineering & Management Sciences, Quetta, Mehan University of Engineering & Technology, Jamshoro, Balochistan University of Engineering & Technology, Khuzdar, Hamdard University, Karachi, Sir Syed University of Engineering & Technology, Karachi, Quaid-e-Awam University of Engineering & Sciences & Technology, Nawabshah, Institute of Industrial Electronics Engineering, Karachi , Bahria University, Karachi Campus, The American Society of Heating Refrigerating and Air-Conditioning Engineers, National Center for Cyber Security, National Center of Robotics & Automation, National Centre of Artificial Intelligence, Haptics, Human-Robotics and Condition Monitoring, ASURE PV Testing Lab and Engineering Review Media Partner. The 9th International Electrical Engineering Conference is scheduled on Friday 7th and Saturday 8th June 2024. The inaugural session will be held on Friday 8th at NED University main auditorium and Technical Sessions, Panel Discussions and Closing Session at IEP convention Center. The theme of the conference is: **"Illuminating Pathways: Navigating Pakistan's Energy Challenges and Opportunities" – Rappel-Up 2024**

About Conference Theme

The Department of Electrical Engineering, NED UET Karachi and IEP Karachi Centre are proud to announce the upcoming International Electrical Engineering Conference (IEEC), themed "Illuminating Pathways: Navigating Pakistan's Energy Challenges and Opportunities" – Rappel-Up 2024. This conference serves as a crucial platform for addressing the pressing issues facing Pakistan's energy sector and exploring innovative solutions to shape a sustainable future.

Generation vs Transmission: Bridging the Gap. One of the critical challenges faced by Pakistan's energy sector is the disparity between generation capacity and transmission capabilities. Despite having ample generation capacity, the transmission bottleneck hinders the efficient distribution of electricity, leading to unscheduled load shedding and blackouts. Rappel-Up 2024 aims to delve into the root causes of this bottleneck and propose strategies for enhancing the transmission infrastructure to meet the growing demand.

Escalating Energy Costs: Unraveling the Complexities; The regular increase in energy costs in Pakistan raises concerns about the sustainability of the current energy framework. Factors such as circular debt, heavy loans, and agreements with Independent Power Producers (IPPs) in USDs contribute to the escalating costs. Rappel-Up 2024 will facilitate discussions on these challenges and explore viable solutions to stabilize and reduce energy costs.

Optimizing Renewable Energy Potential: Pakistan boasts abundant renewable energy potential, particularly in solar and wind energy. However, harnessing this potential requires a clear roadmap and effective policies. Rappel-Up 2024 will provide insights into global

agreements and frameworks for renewable energy generation, offering a pathway for Pakistan to maximize its renewable energy potential and reduce its reliance on fossil fuels.

Manufacturing and Import Status of Electrical Engineering Infrastructure: Pakistan currently relies heavily on imports for major components of its electrical engineering infrastructure. This dependency poses challenges in terms of cost, availability, and technological advancement. Rappel-Up 2024 will explore strategies to promote local manufacturing and reduce import dependency, thereby boosting the domestic economy and enhancing technological capabilities.

Harvesting Coal Reserves in a Sustainable Manner: Despite having substantial coal reserves, Pakistan faces the challenge of balancing its energy needs with international climate commitments. Rappel-Up 2024 will deliberate on sustainable approaches to harnessing Pakistan's coal reserves, taking into account environmental concerns and global climate agreements.

The Institution of Engineers Pakistan (IEP)

The Institution of Engineers Pakistan (IEP) was established in 1948 as a premier national body working for the advancement of the engineering profession. Besides having biggest center at Karachi and headquarter in Lahore, IEP centers are in all major cities of Pakistan as well as in Riyadh, Saudi Arabia, Bahrain & Tri States (New Jersey, New York and Connecticut). IEP has signed technical collaboration agreements with more than forty professional Engineering Organizations across the globe. IEP is also the member of six international / regional engineering bodies and has the honor to represent Pakistan at these forums.

NED University of Engineering & Technology Karachi

NED University is one of the oldest engineering institutions of Pakistan currently offering Bachelors, Masters and Doctoral degree programs. The programs are aimed at preparing students to shoulder their professional responsibilities and enable them to contribute in research and development in related fields. Various seminars and conferences are held every year which not only provide practical exposure to students but also a platform for academia-industry collaboration.

About Karachi

Karachi, a bustling metropolis with a population exceeding 25 million, is situated on the southern coastline of Sindh province near the Arabian Sea. As Pakistan's industrial and commercial hub, it boasts numerous industrial zones, an international airport, two seaports, and comprehensive rail and road connections to the rest of the country. Home to several renowned universities, Karachi is a significant center for education and higher learning in South Asia and the Muslim world. The city offers a delightful shopping experience with enchanting sights and incredible bargains. Most hotels, restaurants, and many shops accept international credit cards. Pakistan Standard Time is GMT +5 hours, and the electrical supply is 220-240 volts.



Coordination Committee

Engr. Prof. Dr. Asif Ali Shah, MUET, Jamshoro
Engr. Dr. Engr. Muhammad Ibrar ul Haque, SSUET
Engr. Asif Memon, IIEE

Engr. Dr. Dur-e-Jabeen, SSUET
Engr. Dr. Muhammad Faisal Khan HU
Engr. Zuhair Arfeen BUCK

Program & Technical Team Members

Engr. Arjumand Samad, NEDUET
Engr. Shahnaz Tabbassum NEDUET
Engr. Muhammad Hassan ul Haque, NEDUET
Engr. Shariq Shaikh, NEDUET

Engr. Muhammad Hammad Uddin, NEDUET
Engr. Asif Zahoor, NEDUET
Engr. Adnan Ali, NEDUET
Engr. Nimra Riaz, NEDUET

Engr. Urooj Faiz, NEDUET
Engr. Hafsa Wahid, NEDUET
Engr. Aimen Najeeb, NEDUET
Dr. Abdullah Munir Ansari, NEDUET
Dr. Fezan Rafique, NEDUET

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IEP, Karachi Centre
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(Electronics), IEP Karachi Centre
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Member Central Council, IEP
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Member Central Council, IEP

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Member Central Council, IEP
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Member Central Council, IEP
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Engr. S. M. Taqi Member
Local Council, IEP
Engr. Dr. Muhammad Asad Arfeen
Member Local Council, IEP
Engr. Manzoor Ahmed
Member Local Council, IEP

Areas of Interest Including But Not Limited

- Electrical Power Systems & Policies
- Renewable Energy Technology

INSTRUCTIONS FOR AUTHORS

Authors are required to submit a detailed paper. Instructions to the authors are given at <http://ieec.neduet.edu.pk>
Authors of accepted papers will be informed through email

REGISTRATION FEE (FOR PHYSICAL PARTICIPATION)

Authors / Presenters / Online	Gratis (Free)
IEP Members	PKR 2000 or USD 20
Non-Members	PKR 3000 or USD 30
Students	PKR 1250 or USD 05

Registration can be made on the prescribed forms available on the conference website. The filled forms should be emailed at iepkc1948@gmail.com, main@iepkarachi.org.pk or sent through mail at the postal address of IEP Karachi Centre. Payments for registration should be made through Pay Order / Cross Cheque / Cash in the name of **"The Institution off Engineers Pakistan, Karachi Centre"** and sent through mail to the IEP Karachi Postal Address.

CPD

PEC will award 1 CPD credit point to participating engineers as per their defined criteria

Chairman Gold Medal

Chairman Gold Medal will also be awarded to the best paper / poster presentation selected by the expert committee