

## Advisory Board

- Engr. Sohail Bashir**  
Chairman IEP Karachi Centre
- Engr. Prof. Dr. Muhammad Tufail**  
Pro-Vice Chancellor, NEDUET
- Engr. Prof. Dr. S.F.A Rafeeqi**  
Immediate Past Chairman IEP Karachi Centre
- Prof. Dr. Vali Uddin**  
Vice-Chancellor SSUET
- Engr. Prof. Dr. Asad-ur-Rehman Khan**  
Dean Faculty of Civil & Petroleum Engineering, NEDUET
- Engr. Prof. Dr. Rizwan ul Haque Farooqi**  
Chairman Department of Civil Engineering (NEDUET)
- Engr. Prof. Dr. Abdul Jabbar Sangi**  
Co-Convenor, ICEC 2023
- Engr. M. Farooq Arbi**  
Vice-Chairman Civil & Allied Secretary IEP Karachi Centre
- Engr. Prof. Dr. Sarosh Hashmat Lodi**  
Vice Chancellor NEDUET & Convener ICEC-2023
- Engr. Asim Murtaza Khan**  
President, NEDIAN Association- Pakistan
- Engr. Farhat Adil**  
Past Chairman IEP Karachi Centre
- Engr. Prof. Dr. Adnan Qadir**  
Chairman Department of Urban & Infrastructure Engineering (NEDUET)
- Engr. Dr. Shamsoun Fareed**  
Secretary, ICEC 2023
- Dr. Abdul Rehman Khan**  
Vice-Chancellor BUITEMS Quetta
- Dr. Sohrab Khan Bizenjo**  
Vice-Chancellor, BUET Khuzdar

## IEP Headquarters Committee

- Engr. Farhat Adil**  
President, IEP
- Engr. Arif Kassam**  
Vice-President (Civil & Allied), IEP
- Engr. Amir Zamir Ahmed Khan**  
Secretary General, IEP
- Engr. Masood Ahmed Khan**  
Chairman, IEP Lahore Centre
- Engr. Abdur Rab**  
Chairman, Islamabad Centre

- Engr. Dr. Zaka Ullah Khan**  
Chairman, IEP Peshawar Centre
- Engr. Muhammad Kashif Kaleem**  
Chairman, IEP Peshawar Centre
- Engr. Muhammad Waseem Asghar**  
Chairman, IEP Quetta Centre
- Engr. Syed Raghif Abbas Shah**  
Chairman, IEP Hyderabad Centre
- Engr. Muhammad Murtaza Khurshid**  
Chairman, IEP Multan Centre

## Management Committee

### From Academics

- Engr. Prof. Dr. Mir Shabbar Ali Dean,
- Faculty of Civil Engg. (SSUET)
- Dr. Syed Salman Mobeen (NEDUET)
- Dr. Engr. Tehmina Sadaqat (NEDUET)
- Dr. Engr. Farrukh Arif (NEDUET)
- Dr. Engr. Aslam Faqeer Muhammad (NEDUET)
- Dr. Engr. Farnaaz Batool (NEDUET)
- Dr. Engr. Sarfia Bukhari (NEDUET)
- Engr. S. M. Noman (NEDUET)
- Engr. Fawwad Mosood (NEDUET)
- Engr. Sajjad Ali (NEDUET)
- Engr. Wajeeha Mahmood (NEDUET)
- Engr. Fatima Khalid (NEDUET)
- Engr. Faiza Saeed (NEDUET)
- Engr. Waleed Ahmed Khan (NEDUET)
- Engr. Saima Khan (NEDUET)
- Engr. Muhammad Yousuf (NEDUET)
- Dr. Saeed Ullah Jan Mandokhail (BUITEMS)
- Dr. Naik Muhammad (BUITEMS)
- Dr. Abdul Qudoos (BUET-Khuzdar)
- Engr. Abdul Majeed (BUET-Khuzdar)

### From IEP & Industry

- Engr. Bushra Nadeem Mufti
- Engr. Prof. Dr. Abdul Jabbar Sangi
- Engr. Khalid Mirza
- Engr. Mukesh Kumar
- Engr. Ashkar Dawar
- Engr. Muhammad Ahmed Thanvi
- Engr. Asad Abbas
- Engr. Faiza Saeed
- Engr. Asfia Aleem
- Engr. M. A. Ansari
- Engr. Syed Jamshed Rizvi
- Engr. Payam Ul Haq Saiddiqi
- Engr. Prof. Dr. Mir Shabbar Ali
- Engr. Ghulam Mujtaba Shalikh
- Engr. Nooruddin Ahmed
- Engr. Nabeel Ahmed
- Engr. Ahsan Dilpazir Khan
- Engr. Muhammad Noman Sattar
- Engr. Umar Mashkooor Makhdomi
- Engr. Engr. Masroor Ahmed Siddiqui
- Engr. Muhammad Shoaib Ahmed Siddiqui
- Engr. Samra Masood
- Engr. Dr. Shamsoun Fareed
- Engr. Syed Nadeem Arif
- Engr. Shehryar Shafique

## Technical Review Committee

- Engr. Haris Akram Bhatti**  
Assistant Professor, NEDUET
- Dr. Muhammad Aslam Bhattu**  
Assistant Professor, NEDUET
- Dr. Aslam Faqeer Muhammad**  
Assistant Professor, NEDUET
- Dr. Fawwad Masood**  
Assistant Professor, NEDUET
- Engr. Sajjad Ali**  
Assistant Professor, NEDUET
- Engr. Syed Muhammad Noman**  
Assistant Professor, NEDUET
- Dr. Rana Rabnawaz Ahmed**  
Assistant Professor, NEDUET
- Dr. Saeedullah Jan Mondokhail** BUITEMS
- Dr. Naik Muhammad Babar** BUITEMS
- Professor Dr. Tehmina Ayub** NEDUET
- Dr. Sadaf Qasim,**  
Associate Professor NEDUET
- Dr. Syed Salman Mobeen**  
Assistant Professor, NEDUET

## Member of ACECC Countries



## Member of FEIC Countries



## Member of FEISCA Countries



## Date & Conference Venue

Day-1 | Nov 15, 2024 | **Inaugural Session**  
 Day-2 | Nov 16, 2024 | **Technical Sessions**  
 At Video Conferencing Hall, Department of Civil Engineering  
 NED University of Engineering & Technology, Karachi

## Contact

For further details, kindly follow **conference links** below  
**Web link:** <http://icec.neduet.edu.pk>  
**E-mail:** [icec@neduet.edu.pk](mailto:icec@neduet.edu.pk)

Engr. Farooq Arbi, FIE, PE, Secretary  
 The Institution of Engineers Pakistan, Karachi Centre  
 4th Floor, IEP Building, 177/2, Liaquat barracks, Karachi-75530, Pakistan.  
**Phone No.** +92-21-32780233, 32781492  
**Whatsapp No.** +92 311 2277721  
**Email:** [main@iepkarachi.org.pk](mailto:main@iepkarachi.org.pk) / [iepkc1948@gmail.com](mailto:iepkc1948@gmail.com)  
**Website:** [www.iepkarachi.org.pk](http://www.iepkarachi.org.pk)

Prof. Dr. Abdul Jabbar Sangi, Professor,  
 Department of Civil Engineering, NED University of Engineering & Technology  
 University Road Karachi - 75270, Pakistan  
**Phone:** +92-21-99261261-8 Ext: 2626  
**Email:** [ajsangi@neduet.edu.pk](mailto:ajsangi@neduet.edu.pk)

# 14<sup>th</sup> International Civil Engineering Conference

“**ADVANCING CIVIL ENGINEERING: Innovations for Achieving the UN Sustainable Development Goals**”



NED University of Engineering & Technology (1921-2024)

15<sup>th</sup> - & - 16<sup>th</sup>  
**NOVEMBER 2024**  
 Institution of Engineers  
 Pakistan Karachi Centre

## ORGANISED BY



## IN COLLABORATION WITH



The Asian Civil Engineering  
 Coordinating Council



Federation of Engineering  
 Institutions of South & Central  
 Asia (FEISCA)



Federation of Engineering  
 Institutions of Islamic Countries  
 (FEIC)



Balochistan University of Engineering  
 & Technology, Khuzdar



Balochistan University of Information  
 Technology, Engineering and  
 Management Sciences



Sir Syed University of Engineering  
 & Technology, Karachi

## About ICEC

The Institution of Engineers Pakistan and NED University of Engineering and Technology, Karachi regularly host the International Civil Engineering Conference (ICEC). It has been regularly held for about two decades. There have previously been twelve international conferences. Every year, the ICEC is organised with a fresh focus on modern problems involving civil engineering and socioeconomics of the society. The most recent ICEC was conducted in Karachi on May 13 and 14, 2022. In conjunction with Pakistan's NED International Alumni Network Association, The Asian Civil Engineering Coordinating Council, Federation of Engineering Institutions of Islamic Countries, Federation of Engineering Institutions of South and Central Asia, Association of Consulting Engineer Pakistan, Sir Syed University of Engineering & Technology-Karachi Baluchistan University of Engineering & Technology- Khuzdar, Baluchistan University of Information Technology Engineering & Management-Quetta, Mehran University of Engineering & Technology-Jamshoro and Quaid-e-Awam University of Engineering Science & Technology-Nawabshah. The theme of the conference was "Integrating Technology in Civil Engineering". Many delegates from academia and industry attended the conference both physically and online. In order to bridge the gap between academia and industry and discuss current engineering methods, difficulties faced by the industry, and prospective solutions in conjunction with academia, famous industry experts and consultants are also invited to speak at the ICEC. The 14th International Civil Engineering Conference is being organized under the theme of "Advancing Civil Engineering: Innovations for Achieving the UN Sustainable Development Goals". Civil engineers can use research and innovation to implement new, sustainable techniques that reduce emissions throughout a project and increase the lifespan of existing structures, saving money on repairs and reconstruction. The Conference will be held on Friday 15th & Saturday 16th November 2024 organized by The Institution of Engineers Pakistan, NED University of Engineering & Technology, Karachi, and NED International Alumni Network Association-Pakistan in collaboration with The Asian Civil Engineering Coordinating Council, Federation of Engineering Institution of Islamic Countries, Federation of Engineering Institutions of South & Central Asia, Sir Syed University of Engineering & Technology-Karachi Baluchistan University of Engineering & Technology-Khuzdar, Baluchistan, University of Information Technology Engineering & Management Sciences-Quetta. The conference will be held hybrid mode. Limited attendees will be invited to attend in person at the Department of Civil Engineering's video conference hall, and the conference may be held in hybrid mode. To ensure greatest exposure and attendance, the event will be broadcast live as a ZOOM webinar.

## The Institution of Engineers Pakistan (IEP)

1948 saw the founding of the Institute of Engineers Pakistan (IEP). It is the foremost national organization of engineers dedicated to the development of the engineering profession. Its main office is in Lahore, and it also has centers there and in Bahrain, Riyadh, Saudi Arabia, and the Tri-States (New Jersey, New York, and Connecticut). With more than 40 professional engineering organizations worldwide, IEP has inked technical partnership agreements. IEP also enjoys the privilege of representing Pakistan at six international and regional engineering bodies. The largest IEP Center is in Karachi, Pakistan. International Civil Engineering Conferences have been held by the Karachi Center for twenty years. Thirteen conferences have been organized, with the 12th taking place in 2022. The Fourteenth International Civil Engineering Conference, which will take place over two days, is being organized by the NED University of Engineering & Technology in Karachi and the IEP Karachi Centre.

## NED University of Engineering & Technology Karachi

Pakistan's oldest engineering school is NED University. It provides programmes leading to bachelor's, master's, and doctoral degrees. The university is renowned for putting forth top-notch graduates and for serving the country. In terms of higher education and scientific research, it has become a centre of excellence in Pakistan. The institution has worked consistently throughout the years to support faculty development, as well as creativity and innovation, and these are the outcomes. Every year, a number of seminars and conferences are offered that give students access to real-world experiences as well as a venue for fostering industry-academia collaboration.

## 14th ICEC 2024 Conference Proceedings Publications

Conference Proceedings will be published by MDPI - Switzerland



The organizers are very glad to inform to the contributors that the 13th ICEC proceedings will be published by MDPI PUBLISHER in their journal titled "ENGINEERING PROCEEDINGS". Multidisciplinary Digital Publishing Institute (MDPI) is an international publisher of the excellent reputation. Further details regarding the journal can be found at MDPI website.

## CONFERENCE TRACKS

A Conference encompasses all areas of Civil Engineering, including (but not limited to) following:



## About Karachi

Located on Sindh Province's southern coast near to the Arabian Sea, Karachi is a thriving metropolis with a population of over 20 million. Many industrial zones, an international airport, two seaports, and connections by rail and road to the rest of Pakistan make it the nation's commercial and industrial centre. Karachi is a significant centre for higher education in South Asia and the Muslim world, with a number of prominent universities situated there. The city is teeming with unexpected shopping delights, enticing sights, and the sounds of incredible deals. Several stores, restaurants, and hotels accept credit cards. Greenwich Time (GMT) is five hours ahead in Pakistan. 220-240 volts make up the electrical supply.



## Deadlines

- Full Paper Submission September 15, 2024
- Review Result September 30, 2024
- Camera Ready Paper October 15, 2024

## Registration Fee (for Physical Participation)

Authors / Presenters/ Online	Gratis (Free)
IEP Members	PKR 2000 or USD 7
Non-Members	PKR 3000 or USD 11
Students	PKR 1500 or USD 5
IEP Student Members	PKR 1000 or USD 4

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

## Instructions for Authors

Abstracts must be submitted via the EasyChair portal available on the submission page (<https://icec.neduet.edu.pk/authors>). Full paper submission instructions and formatting template is also available on the submission page and shall be uploaded on EasyChair portal. In case of any queries, please write email to [icec@neduet.edu.pk](mailto:icec@neduet.edu.pk).

## CPD

PEC will award credit points to participating engineers as per their defined criteria.



## Best Paper Award

Chairman IEP Gold Medal will be awarded to the best paper elected by the expert committee.

