

# Preface

This edition comprises papers presented at the 14th International Civil Engineering Conference (ICEC 2024) held on November 15-16, 2024, in Karachi, Pakistan. The International Civil Engineering Conference (ICEC) is a series of meetings organized by the Institution of Engineers Pakistan (IEP) and NED University of Engineering and Technology, Karachi, Pakistan. It has been a regular event for almost two decades now.

The ICEC 2024 theme was "Advancing Civil Engineering: Innovation for Achieving UN Sustainable Goals" to underscore the pivotal role that civil engineering plays in realizing the United Nations Sustainable Development Goals (SDGs). It highlighted the intersection of technological advancement, sustainable practice, and global development.

By focusing on this theme, the conference aimed to showcase cutting-edge research, share best practices and foster collaboration among professionals, researchers, and policymakers, particularly in the civil engineering field. It also focused on driving forward-thinking solutions that not only address current challenges but also anticipate future needs, ensuring that infrastructure development contributes positively to economic, environmental, and social sustainability.

Advancing civil engineering is not just about building structures, it is rather about creating a sustainable future. The responsibility of the civil engineering community is to foster innovative solutions to support the broader goals of global development and environmental stewardship.

## About NED University

NED University is the oldest engineering Institution in Pakistan. It offers Bachelors, Masters and Doctoral Degree Programs. The university is known for training high quality graduates and for its service to the nation. It has become a place of excellence in Pakistan in higher education and scientific research. It is the result of sustained efforts the university has made over the years towards faculty development, and creativity and innovation. Various seminars and conferences are held every year which not only provide practical exposure to the students but also serve as a platform for academia-industry collaboration.

## About IEP

The Institution of Engineers Pakistan (IEP) was established in 1948. It is the premier national body of engineers working for the advancement of engineering profession. It has headquarters in Lahore and centers in all major cities of Pakistan as well as in Riyadh, Saudi Arabia, Tri States (New Jersey, New York and Connecticut) and Bahrain. IEP has signed technical collaboration agreements with more than forty professional Engineering Organizations across the globe. IEP is also a member of six international/regional engineering bodies and has the honour to represent Pakistan at these forums. IEP Karachi Centre is the biggest centre of IEP. Karachi Centre has been organizing International Civil Engineering Conferences for two decades already.

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