

Preface

It is my distinct privilege and honour to welcome you to the selection of papers that were presented at the 13th International Civil Engineering Conference (ICEC) held on 10-11 November 2023, in Karachi, Pakistan.

The International Civil Engineering Conference is a regular event jointly organized by the Institution of Engineers Pakistan and NED University of Engineering and Technology, Karachi. To date, the conference has been organized for almost two decades. Every year, the ICEC calls regular meetings dedicated to innovative themes and contemporary issues related to civil engineering and the socio-economic aspects of modern society.

The 13th International Civil Engineering Conference was organised under the theme of "Creating Global Partnerships for Sustainable Development through Civil Engineering", which is aligned with the 17 Sustainable Development Goals (SDGs) of the United Nations. This theme underscores the pivotal role that civil engineering plays in shaping a sustainable and prosperous future for our world. In an era marked by pressing global challenges, the discipline of civil engineering holds the key to developing innovative solutions that harmonize economic, environmental, and societal concerns.

ICEC is not merely a confluence of professionals, academics, and experts but a celebration of the collaborative spirit that fuels progress. The exchange of ideas, experiences, and knowledge at this conference serves as a cornerstone for building partnerships that transcend borders and inspire the changes needed for a more sustainable and equitable world.

I express my profound appreciation to the Keynote speakers of the inaugural and closing sessions, as well as to authors, industry speakers, organizing committee, sponsors, and all those who worked tirelessly to make this conference a reality.

I believe that this conference will not only enrich all the participants with knowledge but also inspire them to take meaningful action in their respective domains.

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