

Preface

This special edition is dedicated to research results in structural engineering and measurement systems.

The first chapter, Structural Engineering, examines the types of loads, the behaviour of materials and structures under load, and analytical and numerical techniques for structure computation and design, as well as highlights the expertise required to design and ensure the safe operation of structures.

Chapter 2, Development of Measuring Systems, displays the results of some measurement systems developments with a focus on real-time data analysis, non-destructive testing, and AI-driven innovations.

This special edition aims to serve as a valuable resource for students, researchers, and the engineering community whose activity is related to the mentioned branches of engineering.