

Special Issue

Research on Structural Analysis and Design of Civil Structures—2nd Edition

Message from the Guest Editors

It is a pleasure to announce the 2nd edition of this Special Issue, entitled “Research on Structural Analysis and Design of Civil Structures”. Research into structural analysis and design is an ongoing and critical process that helps experts in the field understand how structures behave and how to improve their performance. This Special Issue aims to gather and discuss the latest research in relation to structural analysis and the design of civil structures in order to comprehensively cover this field and provide a well-documented reference for readers. Suitable article themes for submission include, though not exhaustively, theoretical analysis, performance evaluation, finite element analysis, structural optimization, and the conceptual design of civil structures.

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About the Journal

Message from the Editor-in-Chief

Current urban environments are home to multi-modal transit systems, extensive energy grids, a building stock, and integrated services. Sprawling neighborhoods are composed of buildings that accommodate living and working quarters. However, it is expected that the cities and communities of the future will face complex and enormous challenges, including maintenance, interconnectivity, resilience, energy efficiency, and sustainability issues, to name but a few. A smart city uses advanced technologies and a digital infrastructure to improve the outcomes in every aspect of a city's operations. A smart building optimizes the experience of occupants, staff, and management by using a modern and connected environment. Innovations in technology that can bring dramatic improvements to design, planning, and policy are critical in developing the cities and buildings of the future.

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