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# Research on Statics and Dynamics of Structures

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Deadline for manuscript submissions:
**closed (31 December 2022)**

## Message from the Guest Editors

Dear Colleagues,

We are pleased to invite you to contribute to the Special Issue “Research on Statics and Dynamics of Structures".

Various static and dynamic loads can affect the safety and durability of civil structures, especially for complex accidental loads such as earthquakes, wind, vehicle, waves, etc. The objective of this Special Issue is to collate the most up-to-date research trends in performance assessment of structures under static and dynamic laods.

Within this framework, we welcome contributions that discuss analytical, experimental, and numerical methods for evaluating the linear and non-linear structural response, and advanced approaches for the analysis of new and existing structures including frameworks, bridges, dams, nuclear power plants, ocean platforms, etc.

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## Editor-in-Chief

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## 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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