# Special Issue

# Design, Application, and Performance Assessment of Thin-Walled Structures in Earthquake Engineering

## Message from the Guest Editors

On account of their advantages such as high stiffness, light weight, and proper energy dissipation characteristics, thin-walled structures have been increasingly and extensively used in several branches of engineering as structural members and energy absorbers. Such structures seek to maximize structural efficiency and sustainability by minimizing the material consumed. The structural behavior and stability response of thin-walled structures have been widely studied under monotonic loading conditions, while the performance assessments under dynamic actions seem to be rather limited and unsystematic. This Special Issue aims to bridge this gap by providing an international forum that can be utilised by researchers to present and share their latest research advances and findings on the design, application, and performance assessment of thin-walled structures within the framework of earthquake engineering. Original and high-quality contributions are welcome.

## Guest Editors

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## Deadline for manuscript submissions

closed (20 September 2024)

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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.

### Editor-in-Chief

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