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Adoption of Engineered Wood Products in Building Applications—2nd Edition

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Message from the Guest Editors

Timber's sustainable attributes, such as its renewability, reusability, and recyclability, make it an eco-friendly alternative to conventional structural materials with adverse environmental impacts.

To further promote and expedite the adoption process of timber products in building applications, continuous research and development efforts are necessary to understand the performance of timber-based solutions and address any shortcomings. This Special Issue aims to collect scientific contributions on the subject in the following categories:

- Opinion papers or perspective papers: papers aiming to provide insights into the emerging opportunities, existing challenges, and future needs related to the structural or architectural use of timber products in the built environment.
- Research papers: high-quality research papers on developing and/or testing the performance of timber products for novel structural or architectural building applications.

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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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