Special Issue

Cold-Formed Steel Structures: Behaviour, Strength and Design

Message from the Guest Editor

This Special Issue, entitled "Cold-formed Steel Structures: Behaviour, Strength and Design", aims to discuss and disseminate the most recent theoretical, numerical, experimental and design advances related to cold-formed steel structures, including (but not limited to):

- CFS members (carbon and stainless steel, including holes);
- CFS built-up section members;
- CFS connections, frames, walls and shear walls;
- Coupling phenomena;
- Seismic response of CFS structures;
- Fire behaviour;
- Design considerations (e.g., Direct Strength Method—DSM);
- Experimental investigations;
- Structural reliability;
- Optimization applications.

For scholars interested to submit papers to the Special Issue, please click "Submit to Special Issue" or contact Astoria Yao: astoria.yao@mdpi.com.

Guest Editor

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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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