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New Challenges in Civil Structure for Fire Response

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Message from the Guest Editors

The rapid development and change of urban areas and products, as well as rapid worldwide technological progress, bring new challenges to the fire security of buildings, especially to energy efficient buildings and civil structures located in wildland–urban interface areas. Furthermore, fire standards do not yet provide a complete guidance on various aspects, including measures and constraints for advanced design, i.e., for advanced fire modelling and coupled thermo-mechanical analysis, for instance, so that the use of high performance computation systems can be performed effectively, on the safety side, and still allow performance-based design and advanced evolutionary optimizations. Therefore, we encourage you to send manuscripts containing scientific findings within the broad field of fire safety engineering. Both theoretical and practice-oriented papers, including experimental and numerical studies, case studies and reviews, are encouraged.

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Message from the Editor-in-Chief

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