



Session ID: CMS-14

Title

SEISMIC-RESILIENT STEEL AND STEEL-CONCRETE COMPOSITE STRUCTURES

Convenors

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Description

Earthquakes worldwide have highlighted the significant need for innovative solutions able to increase the seismic safety and resilience of the built environment.

Significant effort has been made to better understand and improve the structures performance against seismic events. However, so far, the design philosophy has focused on ensuring the life safety of the occupants, while very little consideration was paid to preserving the structures integrity following severe seismic events. Innovative structural systems should aim at the definition of minimal-damage structures that can simultaneously minimize both social and economic losses.

This special session invites contributions from academic and industry experts, focusing on any aspects of the seismic design and assessment of innovative Steel and Steel-Concrete Composite structures and on other innovative structural systems designed to increase structural resilience. We also invite potential speakers to present the design of real case studies involving innovative structural solutions.

Invited Speakers

A. Dall'Asta ⁶, W. Wang ⁷, M. Bosco ⁸, C. Clifton ⁹, P. Colajanni ¹⁰, K. Ke ¹¹, O.-S. Kwon ¹², D. Bompa ¹³

Affiliations

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