



Advances in Failure of Structures — Material Characteristics and Loading Conditions

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Deadline for manuscript submissions:

closed (30 December 2023)

Message from the Guest Editors

This Special Issue addresses recent advances on the instability and failure features associated with a broad range of structural components. The focus areas are (but are not limited to) steel, concrete, timber, masonry, as well as composite structures subjected to a wide variety of loading circumstances (including static loading, earthquake-generated excitation, fire, wind, etc.) within different numerical, experimental, and hybrid research frameworks. The scope of this Special Issue encompasses the common issues around failure and instability analyses, nonlinear response, thin-walled structures, new materials and compositions in construction, timber and masonry composites, fibre-reinforced structures, pressurised and industrial structures, optimisation, sustainability, and environmental consideration in structures.

Keywords

- recent advances in structural systems
- instability and failure
- steel, concrete, and composite structures
- stability and buckling
- numerical and experimental methodologies





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Message from the Editor-in-Chief

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