Special Issue

Progressive Collapse of Buildings

Message from the Guest Editors

The structural robustness of buildings against accidental loads is an area of great interest to engineers, as many events in the past have revealed their catastrophic consequences (e.g., Ronan Point building (1968), Murrah Federal Building (1995), World Trade Center (2001) etc.). The availability of robust numerical simulation tools has led to significant progress in this area, especially when it comes to the analysis of 3D buildings or large subsystems. In addition to these, a large number of experimental studies has been produced in recent years which aided the validation of numerical models and promoted a deeper understanding in this field. Despite the progress, there are still many challenges that need to be addressed. This Special Issue invites the submission of articles on the progressive collapse of buildings that are related (but not limited) to the following topics

- Design codes and guidelines
- Steel, concrete, and composite structures
- Bolted connections
- Welded connections
- Fire-induced collapse
- Blast/collision-induced collapse
- Innovative seismically resilient buildings
- Tall buildings
- Cold-formed-steel buildings
- Advancements in numerical methods

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Deadline for manuscript submissions

closed (31 March 2022)

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About the Journal

Message from the Editor-in-Chief

Editor-in-Chief

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Author Benefits

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CiteScore - Q2 (Engineering (miscellaneous))

Rapid Publication:

manuscripts are peer-reviewed and a first decision is provided to authors approximately 22.7 days after submission; acceptance to publication is undertaken in 2.9 days (median values for papers published in this journal in the first half of 2025).