

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

Guest Editors

Dr. Christoforos Dimopoulos

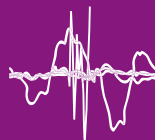
School of Computing, Engineering and Digital Technologies, Teesside University, Middlesbrough, Tees Valley TS1 3BX, UK

Prof. Dr. Charis J. Gantes

Institute of Steel Structures, School of Civil Engineering, Zografou Campus, National Technical University of Athens, GR-15780 Athens, Greece

Deadline for manuscript submissions

closed (31 March 2022)



Vibration

an Open Access Journal
by MDPI

Impact Factor 1.6
CiteScore 3.4

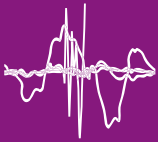


mdpi.com/si/83574

Vibration
Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland
Tel: +41 61 683 77 34
vibration@mdpi.com

[mdpi.com/journal/
vibration](https://mdpi.com/journal/vibration)





Vibration

an Open Access Journal
by MDPI

Impact Factor 1.6
CiteScore 3.4



[mdpi.com/journal/
vibration](https://mdpi.com/journal/vibration)



About the Journal

Message from the Editor-in-Chief

Editor-in-Chief

Prof. Dr. Aleksandar Pavic

College of Engineering, Mathematics and Physical Sciences, University
of Exeter, Kay Building, Exeter EX4 4QF, UK

Author Benefits

High Visibility:

indexed within Scopus, ESCI (Web of Science), and other
databases.

Journal Rank:

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).