

# Special Issue

## Earthquake and Multi-Hazard Resilience: Community-Level Insights and AI/ML Applications

### Message from the Guest Editors

This Special Issue focuses on advancing knowledge and applications in earthquake engineering and multi-hazard resilience, particularly at the community level.

Contributions that span structure-, community-, and regional-level analysis are welcome, including those related to the seismic performance of buildings, fragility and loss modeling, post-disaster functionality, and interdependencies across systems. We especially encourage submissions that leverage AI/ML frameworks, incorporate multi-event sequences, or bridge the gap between structural response and socio-technical resilience planning. The scope of this issue aligns with the journal *Infrastructures*, which emphasizes integrated, data-informed, and forward-looking research for infrastructure systems under stress from natural and technological hazards.

We invite original research articles, literature review papers, and case studies that address the above themes. Contributions from interdisciplinary teams and applications to real-world case studies are particularly encouraged. We look forward to hearing from you.

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### Guest Editors

Dr. Mojtaba Harati

Prof. Dr. John W. van de Lindt

Dr. ☒Maria Koliou☒

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### Deadline for manuscript submissions

31 January 2026



# Infrastructures

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*Infrastructures*  
Editorial Office  
MDPI, Grosspeteranlage 5  
4052 Basel, Switzerland  
Tel: +41 61 683 77 34  
[infrastructures@mdpi.com](mailto:infrastructures@mdpi.com)

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### Message from the Editor-in-Chief

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### Editor-in-Chief

Dr. Pedro Arias-Sánchez

Applied Geotechnologies Group, Department of Natural Resources and Environmental Engineering, School of Mining Engineering, University of Vigo, 36310 Vigo, Spain

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