

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.

Guest Editors

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Prof. Dr. John W. van de Lindt
Dr. ☒Maria Koliou☒

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Editor-in-Chief

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