



## Sustainable Assessment and Modelling in Seismic Risk Mitigation

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submissions:

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### Message from the Guest Editors

Dear Colleagues,

Almost a couple of decades have passed since the seismic design and retrofit paradigm undertook a major shift from prescriptive procedures to quantified “performance-based” objectives. To this effect, modern performance-based seismic design and retrofit strives to satisfy quantified performance objectives. The sustainability principles can be considered even more explicitly by quantifying utility as a function of both socioeconomic and environmental “costs” associated to design, retrofit, and repair/maintenance planning decisions.

This Special Issue welcomes contributions towards filling the complex mosaic of sustainable design and retrofit decision-making and repair/maintenance planning for infrastructure in seismically active regions:

- Performance-based seismic design and retrofit
- Estimation of down-time and residual lifetime
- Multi-risk analysis methods
- Time-dependent seismic risk assessment for deteriorating systems (considering aftershocks, and/or ageing)
- Retrofit, repair/maintenance decision-making based on sustainable criteria





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## Message from the Editor-in-Chief

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