



Seismic Resilience of Urban Environments

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Deadline for manuscript
submissions:

31 October 2024

Message from the Guest Editors

The seismic resilience of our urban environments can be described as the ability of our infrastructure to rapidly and efficiently cope with the impacts derived from seismic activity. Communities are currently demanding more than structural safety, where resilience should be oriented at minimizing environmental impacts, downtime and economic losses, but evaluated in life-cycle terms.

Consequently, in this Special Issue, we invite you to submit works that combine both sustainability as well as the seismic resilience of infrastructure, addressing topics such as: (i) the performance-based seismic design of new infrastructure, especially with the incorporation of life-cycle design goals (e.g., environmental impacts, downtime and economic losses); (ii) the performance-based seismic retrofit of existing infrastructure; (iii) the development/assessment of new materials/structural systems for improved seismic performance, evaluated in life-cycle terms. Some other possible topics are indicated in the keywords above, but please note that this list is not exhaustive.

We look forward to receiving your contributions.

Dr. Gerardo Araya-Letelier

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Guest Editors





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