Joint Special Issue

Recent Study on Seismic Performance of Building Structures

Message from the Guest Editors

Earthquakes are one of the most destructive natural disasters and can cause large-scale loss of life and property. The buildings in regions with high seismic activity require careful design as they are more susceptible to earthquakes. The performance-based seismic design could effectively control the seismic performance of structures during earthquakes and could limit the damage and loss of the structures. Therefore, great attention has been paid to studying the seismic performance of building structures. The main aim of this Special Issue is to expound some key problems regarding the main theories, research contents and differences in current performance-based seismic design. We welcome contributions that advance the state of the art of the addressed topics, including but not limited to the following fields: Seismic assessment of building structures; Computing in earthquake engineering; Methods of seismic analysis; Seismic risk analysis; Engineering structure performance evaluation; Strengthening and retrofitting of structures; Experimental studies; Analysis of case studies.

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