



Advances in Structural Dynamics and Earthquake Engineering

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Message from the Guest Editor

The objective of this Special Issue is to bring together the most recent research trends and advances in structural dynamics and earthquake engineering to support the needs of professionals and researchers engaged in civil structures and infrastructures under a variety of external actions such as earthquakes, wind, vibrations, and extreme loads.

Contributions in the following topics are welcome (but they need not be limited to this list):

- Effects of dynamic loads on structures;
- Linear and nonlinear methods of dynamic structural analysis;
- Seismic response of buildings, bridges and other structures;
- Seismic isolation of structures;
- Passive vibration control strategies to mitigate the dynamic response of structures;
- Passive and active systems for earthquake protection;
- Dynamic soil–structure interaction;
- Investigation of earthquake-induced pounding between adjacent structures;
- Methods for earthquake-resistant design and retrofit of structures;
- Assessment, repair, and strengthening of existing structures, including historic structures and monuments;
- Soil dynamics and foundations under seismic loads.





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Message from the Editor-in-Chief

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