



## Earthquake Engineering Technology and Its Application

Guest Editors:

**Prof. Dr. Su Chen**

The Key Laboratory of Urban  
Security and Disaster Engineering  
of Ministry of Education, Beijing  
University of Technology, Beijing,  
China

**Prof. Dr. Chong Xu**

Geological Hazards Research  
Center, National Institute of  
Natural Hazards, Ministry of  
Emergency Management, Beijing,  
China

**Prof. Dr. Shuang Li**

School of Civil Engineering,  
Harbin Institute of Technology,  
Harbin, China

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submissions:

**closed (29 February 2024)**

### Message from the Guest Editors

Dear Colleagues,

This Special Issue focuses on current developments in earthquake engineering, including ground motion characteristics, soil and foundation dynamics, wave propagation, behavior of structures, and methods for earthquake resilience and the retrofit of structures that are germane to practicing engineers. In this Special Issue, we welcome works that improve the understanding of earthquake engineering from theory to application.

### We welcome works related but not limited to the following topics:

1. Ground motion characteristics and simulation methods.
2. Artificial intelligence for earthquake engineering analysis.
3. Experimental investigation of the seismic response of major infrastructures.
4. Inverse problems, identification and structural health monitoring in earthquake engineering.
5. Dynamic constitutive behavior of materials (soil, concrete, etc.).
6. Seismic analysis of steel and reinforced concrete structures, nuclear power structures, dams, etc.
7. Performance-based seismic design of structures and earthquake-resilient cities.





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### **Prof. Dr. Marc A. Rosen**

Faculty of Engineering and  
Applied Science, University of  
Ontario Institute of Technology,  
Oshawa, ON L1G 0C5, Canada

## Message from the Editor-in-Chief

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*Sustainability* Editorial Office  
MDPI, St. Alban-Anlage 66  
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