

## Special Issue

# Earthquake Engineering Technology and Its Application

### Message from the Guest Editors

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:**

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

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### Guest Editors

Prof. Dr. Su Chen

Prof. Dr. Chong Xu

Prof. Dr. Shuang Li

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### Deadline for manuscript submissions

closed (29 February 2024)



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### Editor-in-Chief

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