

Recent Challenges and Advances in Geotechnical Earthquake Engineering

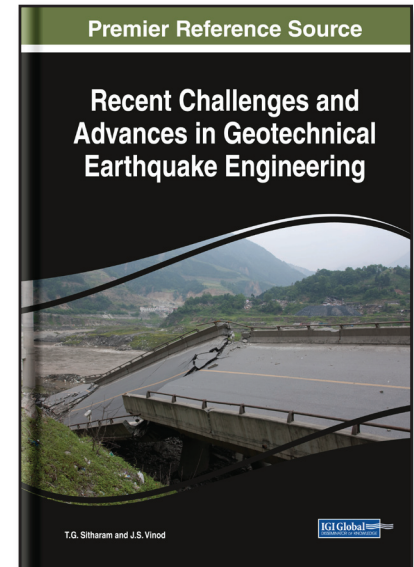
Part of the Advances in Environmental Engineering and Green Technologies Book Series

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Description:

Solid design and craftsmanship are a necessity for structures and infrastructures that must stand up to natural disasters on a regular basis. Continuous research developments in the engineering field are imperative for sustaining buildings against the threat of earthquakes and other natural disasters.

Recent Challenges and Advances in Geotechnical Earthquake Engineering provides innovative insights into the methods of structural engineering techniques, as well as disaster management strategies. The content within this publication represents the work of rock fracturing, hazard analysis, and seismic acceleration. It is a vital reference source for civil engineers, researchers, and academicians, and covers topics centered on improving a structure's safety, stability, and resistance to seismic hazards.



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Topics Covered:

- Blast-Induced Damage
- Excavation
- Ground Motion
- Hazard Analysis
- Liquefaction
- Rock Fracturing
- Seismic Acceleration
- Seismic Analysis
- Seismogram Analysis
- Soil Properties

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