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of Geological Disasters -- Environmental Engineering Geology and Ecosystem Protection -- Geotechnical Properties of Rock and Soil Mass -- Traffic Engineering Geology and Sichuan-Tibet Railway Construction -- Energy Engineering Geology and Deep Earth Resource Exploitation -- Urban Engineering Geology and Underground Space Utilization -- Marine Engineering Geology and Coastal Development -- Polar Engineering Geology and Disasters -- Planetary Engineering Geology and Disasters -- Artificial Intelligence, Big Data and Engineering Geology -- New Theory and Technology of Engineering Geology -- Preservation of Cultural Heritage and Engineering Geology -- Education and Disciplinary Development of Engineering Geology -- Water reservoirs, Large Dams and associated Ground Stability.

Sommario/riassunto

This book collects the selected papers of the XIV Congress of the International Association for Engineering Geology and the Environment held in Chengdu, Sichuan, China from September 21st - 27th, 2023, with the theme of Engineering Geology for a Habitable Earth. The meeting proceedings analyses the dynamic role of engineering geology in our changing world. The congress is expected to enhance the interdisciplinary research development of international engineering geology and the environment, and contribute to the advancement of major projects, ecological progress, and habitable earth with in-depth discussion in the area of engineering geology and global climate change, geological hazard assessment and prevention, geotechnical properties of rock and soil mass, engineering geology and the environmental issues concerning marine, transportation, urban and ecological environment protection, engineering geology and resilience engineering construction, intelligent engineering geology, and new theories, methods, and techniques in engineering geology.
