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Soggetti	Geotechnical engineering Engineering geology Materials Geotechnical Engineering and Applied Earth Sciences Geoengineering Materials Engineering
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Nota di contenuto	Chapter 1. Surface Strength of Treated Subgrade Soils -- Chapter 2. HVSR and Site Characteristics of the Seismic and Strong-Motion Stations in Gansu Province, China -- Chapter 3. Analysis of the bearing capacity of Press-in pile with installation assistance for hard grounds -- Chapter 4. On earth dam leak detection based on using Fiber-Optic Distributed Temperature Sensor (Case study: canal embankment on the Rhône river, France) -- Chapter 5. Comparative evaluation of Morphometric Parameters on Runoff Estimation of Savitri Watershed, India -- Chapter 6. Numerical modeling of excavation in shanghai soft clays using the new small strain Shanghai constitutive model -- Chapter 7. Computational Studies of Passive Vortex Generators for Flow Control on High-Speed Train -- Chapter 8. The study on extraction of falling rock source using aerial laser data to improve the efficiency of

falling rock measures.

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## Sommario/riassunto

The studies presented in this volume cover new approaches of geotechnical engineering introduced by researchers, engineers and scientists to address contemporary issues in geotechnical engineering such as the usage of sustainable materials in soil, soil characterization with new methods, and numerical simulations to predict material properties, etc. Studies were selected from the 6th GeoChina International Conference on Civil & Transportation Infrastructures: From Engineering to Smart & Green Life Cycle Solutions -- Nanchang, China, 2021.

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