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Nota di contenuto	1.Impact of liquid whey waste on strength and stiffness of cement treated clay -- 2.Experimental Study of Erosion on Expansive Soil Slope Strengthened by HPTRM System -- 3.The geotechnical properties of water sensitive soils, loess -- 4.Experimental study on wet and dry cycle durability of solidified silt by zeolite and cement -- 5. Performance evaluation of low volume rural roads- A state-of-the-art review -- 6.Evaluation of the load bearing capacity of piles by numerical, analytical and empirical approaches -- 7.Utilizing secant pile walls as retaining structures and bridge abutments -- 8. Stabilization on 1000 kV UHV Transmission Tower Foundation Influenced by Underground Coal Mining in Mountainous Areas -- 9. Numerical Analysis of the Seismic Behavior of Alpamarca Tailings Dam in Peru -- 10.Identifying the Defects Presented on the Exterior Layers of A Structure by Employing 3D Point Clouds and Thermography -- 11. Examination of the IgnitionOven Method Correction Factor for Hot Mix Asphalt with Granite Aggerates.

## Sommario/riassunto

This book presents new studies dealing with the attempts made by the scientists and practitioners to address contemporary issues in geotechnical engineering such as characterization of soil, geomaterials, soil stability and some other geomechanics issues that are becoming quite relevant in today's world. Papers were selected from the 5th GeoChina International Conference on Civil Infrastructures Confronting Severe Weathers and Climate Changes: From Failure to Sustainability, held on July 23-25, 2018 in HangZhou, China.

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