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Nota di contenuto	Chapter 1. Hydraulic Conductivity of SHMP Modified Backfills Exposed to Lead Nitrate Solutions Based on Modified Fluid Loss and Flexible-wall Tests -- Chapter 2. Experimental Investigation of Time-dependent Compressibility Behavior of Sand-clay Mixture in Oedometer Condition -- Chapter 3. Mine Tailings Particles: Roundness and Sphericity Assessment by an Image-based Program -- Chapter 4. An Optimal 3D-LS Method with High Accuracy and Efficiency to Identify Rock Discontinuities Considering Its Development Degree and Its Application -- Chapter 5. Evaluation of Stripping Resistance of Organoclay-modified Asphalt Binder and Aggregate Systems Using an Optical Contact Angle Analyzer -- Chapter 6. Influence of Multiple Layers of Encasement on Bulging Capacity of Granular Column -- Chapter 7. Settlement Problem of Streets and Light Structures in Bogotá --

	Chapter 8. The Uncertainty of Geological Systems in Geotechnical Calculations -- Chapter 9. Study on Mutual Trust Mechanism of Hydropower Engineering Safety Management Based on Evolutionary Game Theory.
Sommario/riassunto	The current trends in Geotechnical Engineering are moving towards sustainable design and construction. Studies presented in this volume present recent research findings and critically review the existing literature related to assessment of sustainable geomaterials and environmental geotechnics. Special emphasise is given to the material characterization on industry by product or newly developed sustainable materials in geotechnical engineering or pavement engineering. This volume is based on contributions to the 6th GeoChina International Conference on Civil & Transportation Infrastructures: From Engineering to Smart & Green Life Cycle Solutions -- Nanchang, China, 2021.