

1. Record Nr.	UNINA9910366650903321
Titolo	Latest Advancements in Underground Structures and Geological Engineering : Proceedings of the 3rd GeoMEast International Congress and Exhibition, Egypt 2019 on Sustainable Civil Infrastructures – The Official International Congress of the Soil-Structure Interaction Group in Egypt (SSIGE) // edited by Adam Bezvijen, Walter Wittke, Harry Poulos, Hany Shehata
Pubbl/distr/stampa	Cham : , : Springer International Publishing : , : Imprint : Springer, , 2020
ISBN	3-030-34178-X
Edizione	[1st ed. 2020.]
Descrizione fisica	1 online resource (136 pages) : illustrations
Collana	Sustainable Civil Infrastructures, , 2366-3413
Disciplina	624.19
Soggetti	Geotechnical engineering Geology Civil engineering Environmental sciences Physics Environmental engineering Biotechnology Bioremediation Geotechnical Engineering and Applied Earth Sciences Civil Engineering Environmental Physics Environmental Engineering/Biotechnology
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Note generali	Includes index.
Nota di contenuto	Defining the contours of combined plastic, anomaly dense and anomaly stressed hierarchical inclusions located into a block layered medium by waveâ€™s data -- A Closer Look: Petrographic Analysis of Extremely Weak Sandstone/Cemented Sand of the Ghayathi Formation, Dubai, UAE -- Seismic Hazard assessment of Gujarat International Finance Tec-City (GIFT CITY), GUJRAT -- Characterising and Structural Review

of the Rock Mass and its Geological Structures at Open Pit Mine in Queensland-Australia -- Initiation mechanism of extension strain of rock mine slopes -- Stress in rock slopes: non-persistent versus persistent joint model -- Load capacity of helical piles with different geometrical aspects in sandy and clayey soils: A numerical study -- Influence of Rock Matrix on Strength and Deformation Characteristics of Laterite Rock using Triaxial System -- Physico-Chemical Analysis Of Groundwater In Iglas And Beswan, Aligarh District, Uttar Pradesh, India -- Effect of petrophysical and sedimentological properties on the heterogeneity of carbonate reservoirs: impact on production parameters.

Sommario/riassunto

This book includes the best-selected papers on the latest advancements in underground structures and geological engineering. The ongoing population growth is resulting in rapid urbanization, new infrastructure development, and increasing demand for the Earth's natural resources (e.g., water, oil/gas, minerals). This, together with the current climate change and increasing impact of natural hazards, implies that the engineering geology profession is called upon to respond to new challenges. It is recognized that these challenges are particularly relevant in the developing and newly industrialized regions.
