Record Nr. UNINA9910456242903321 Deep and underground excavations [[electronic resource]]: **Titolo** proceedings of the GeoShanghai 2010 International Conference, June 3-5, 2010 Shanghai, China / / edited by Fulvio Tonon, Xian Liu, Wei Wu Reston, VA.: American Society of Civil Engineers, c2010 Pubbl/distr/stampa **ISBN** 1-62870-590-6 0-7844-7346-3 Descrizione fisica 1 online resource (383 p.) Collana Geotechnical special publication;; no. 206 Altri autori (Persone) **TononFulvio** LiuXian <1977-> WuWei <1961-> Disciplina 624.19 Soggetti Excavation Civil engineering Electronic books. Lingua di pubblicazione Inglese **Formato** Materiale a stampa Livello bibliografico Monografia Note generali Description based upon print version of record. Nota di bibliografia Includes bibliographical references and index. ""Cover""; ""Contents""; ""Deep Excavations and Retaining Structures""; Nota di contenuto ""Design and Construction of Reinforced Steel Chain Wall""; ""Deformation Regularity and Simplified Calculation Method for Foundation Pit with Confined Water during Excavation and Dewatering""; ""Model Tests and Numerical Simulations on Pile-Soil Interaction of Passive Piles""; ""Design and Research of Circular Diaphragm Wall for Deep Excavation of Shanghai Tower""; ""Analysis of Case Histories on Deep Excavations in Marine Clay"" ""Analytic Method of Load-Displacement Curve for Tension Anchors Based on Hyperbolic Load-Transfer Function"""Experimental Research of Jet-Grouting Parameters in Different Soil Conditions""; ""Mitigation of Sheet Pile Movements during DDC by Open Trenches""; ""Deep Excavation Induced Pile Movement in Bangkok Subsoil A Numerical Investigation""; ""A Case Study of Retaining Wall with Soil-Cement Mixing Reinforcement for Korean Urban Site""; ""A Preliminary Study on the Behavior of Axially Loaded Single Pile Subjected to Lateral Soil

Movement behind a Retaining Wall""

""A Combined Retaining Structure and Its Application in Deep Excavation"""Interaction Effect of Retaining Wall and Existing Foundations in Braced Excavation""; ""Deformation Prediction of Deep Excavation Based on Unequal Interval Grey Model GM(1,1)""; ""Three Dimensional Performance Observed in an Irregular Deep Excavation in Shanghai Soft Clay""; ""Evaluation of Stability of Tailings Dam Based on Evolutionary Artificial Neural Network""; ""Identification of Landslide Susceptible Slopes and Risk Assessment Using a Coupled GIS-FEA-Module""

""Deformation of Anchor-Sheet Pile Wall Retaining System at Deep Excavations in Soft Soils Overlying Bedrock"""Centrifuge Model Study of Impact on Existing Undercrossing Induced by Deep Excavation""; ""Tunneling and Underground Construction""; ""Effectiveness of Ground Improvement for a Cut-and-Cover Tunnel with a Backfill Slope Based on Finite Element Analysis""; ""Reconstruction of the Temperature Distribution on the Vertical Direction of Tunnel in Fire Accidents""; ""Determination of Stress Release Coefficient and Analysis of Influence Factors in Granular Soil Tunnel""

""Study on Rock Mass Stability Effect of High Water Pressure Tunnels by Hydraulic Fracturing Failure"""Application of Single Pass Tunnel Lining with Steel Fibre Reinforced Shotcrete on the Ventilation Shaft of Mount Motian Tunnel""; ""Numerical Analyses and Elasto-Plastic Behavior Study on Surrounding Rock Mass of the Underground Caverns in a Hydropower Station during Deep Excavations""; ""Study on Mechanism of Simultaneous Backfilling Grouting for Shield Tunneling in Soft Soils""; ""Study on Shiziyang Tunnel Engineering Geology and Shield Tunneling""

""Numerical Analysis of the Thermo-Hydromechancial Behaviour of Underground Storages in Hard Rock""