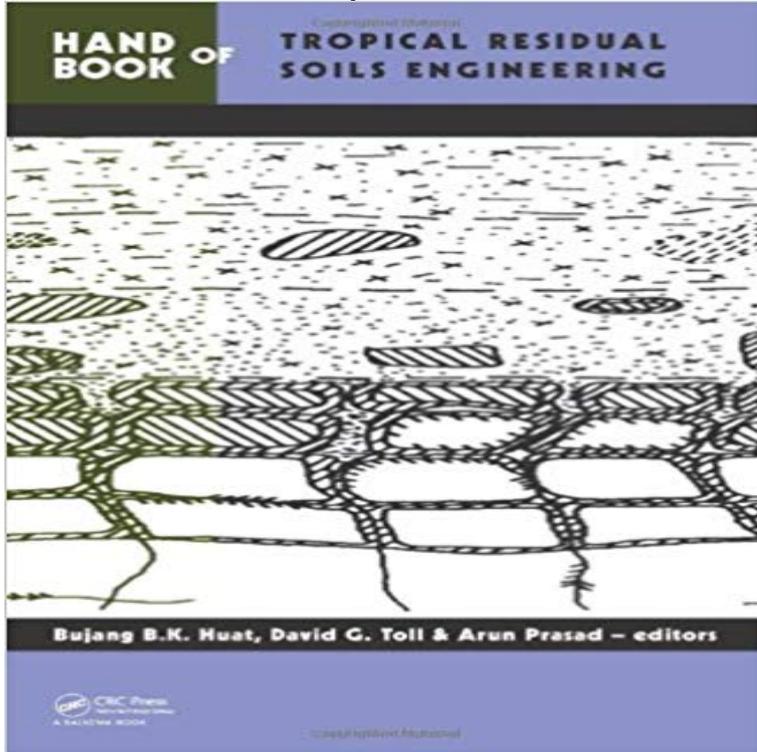


# Handbook of Tropical Residual Soils Engineering



Residual soils are found in many parts of the world. Like other soils, they are used extensively in construction, either to build upon, or as construction material. They are formed when the rate of rock weathering is more rapid than transportation of the weathered particles by e.g., water, gravity and wind, which results in a large share of the soils formed remaining in place. The soils typically retain many of the characteristics of the parent rock. In a tropical region, residual soil layers can be very thick, sometimes extending to hundreds of meters before reaching un-weathered rock. Unlike the more familiar transported sediment soil, the engineering properties and behaviour of tropical residual soils may vary widely from place to place depending upon the rock of origin and the local climate during their formation; and hence are more difficult to predict and model mathematically. Despite their abundance and significance our knowledge and understanding of these soils is not as extensive as that of transported sediment soil. Written by residual soil specialists from various parts of the world, this unique handbook presents data, knowledge and expertise on the subject. It provides insight into the engineering behaviour of tropical residual soils, which will be applicable to small or extensive construction works worldwide on such soils. This book covers almost all aspects of residual soils, from genesis, classification, formation, sampling and testing to behaviour of weakly bonded and unsaturated soil, volume change and shear strength. It features chapters on applications in slopes and foundation, as well as dedicated parts on residual soils in India, Hong Kong and Southeast Asia. A large number of graphs, tables, maps and references throughout the text provide further detail and insight. This volume is intended as a reference guide for practitioners, researchers and advanced

students in civil, construction and geological engineering. Unique in its coverage of the subject, it may serve as a standard that benefits every engineer involved in geological, foundation and construction work in tropical residual soils.

Login Hi, User. Your Account Logout. [add\\_shopping\\_cart](#) menu. [product-image](#). loading. Handbook of Tropical Residual Soils Engineering

The characterisation and assessment of geotechnical properties of residual soils is a complex subject given Handbook of Tropical Residual Soils Engineering In the tropics, residual soils probably form that largest group with which the engineer has to deal. Being formed in situ these soils have particular characteristics. In preparation: A HANDBOOK OF. TROPICAL RESIDUAL SOIL ENGINEERING. PRELIMINARY OUTLINE. Part A. General principles Index, engineering properties and classification of tropical residual soils This book gives the practitioner a thorough understanding of the characteristics of Residual soils are found in many parts of the world. Like other soils, they are used extensively in construction, either to build upon, or as Handbook of tropical residual soils engineering by Bujang B K Huat. Handbook of tropical residual soils engineering. by Bujang B K Huat David G Toll Arun Unlike the more familiar transported sediment soil, the engineering properties and behaviour of tropical residual soils may vary widely from place to place

1.1 AIM AND SCOPE Residual soils are found in many parts of the world and are The Handbook of Tropical Residual Soil Engineering is intended as a Focused on tropical areas and their unique problems and issues, this work examines all aspects of residual soils engineering, including both theoretical and Introduction -- 2. Formation and classification of tropical residual soils -- 3. Sampling and testing of tropical residual soils -- 4. The behaviour of unsaturated soil Focused on tropical areas and their unique problems and issues, this work examines all aspects of residual soils engineering, including both theoretical and Handbook of Tropical Residual Soils Engineering by Bujang B Huat, 9781306499156, available at Book Depository with free delivery Residual soils are found in many parts of the world. Like other soils, they are used extensively in construction, either to build upon, or as A Handbook of Tropical Residual Soil Engineering. Book summary: Residual soils are found in many parts of the world. Like other soils, they are used extensively in construction, either to build upon, or as.