



## Mechanics of Residual Soils, Second Edition

*From Brand: Taylor Francis*

Download now

Read Online ➔

**Mechanics of Residual Soils, Second Edition** From Brand: Taylor Francis

Residual soils are found in many parts of the world and are used extensively as construction materials for roads, embankments and dams, and to support the foundations of buildings, bridges and load-bearing pavements. The characteristics and engineering properties of residual soils can differ significantly from those of the more familiar transported soils. The fact that residual soils occur often in areas with tropical and sub-tropical climates and (extensively) in semi-arid climates, adds another dimension to their engineering performance, that of unsaturation.

Although there are many books that deal with the mechanics of soils, these are based mainly on the characteristics and behaviour of saturated transported soils. The first edition of this book was the first book to be written specifically about the mechanics of residual soils. The book was prepared by a panel of authors drawn from the Technical Committee on Tropical and Residual Soils of the International Society for Soil Mechanics and Foundation Engineering. It was written as a practical professional guide for geotechnical engineers working with residual soils.

The second edition has retained the valuable information contained in the first edition. The present editors and authors have extensively revised and augmented the content to bring it completely up to date, adding significantly to the sections on unsaturated soil mechanics and expanding the range and number of instructive case histories. Furthermore, sections on pedocretes, dispersive soils and karst have been added.

 [Download Mechanics of Residual Soils, Second Edition ...pdf](#)

 [Read Online Mechanics of Residual Soils, Second Edition ...pdf](#)

# Mechanics of Residual Soils, Second Edition

*From Brand: Taylor Francis*

## **Mechanics of Residual Soils, Second Edition** From Brand: Taylor Francis

Residual soils are found in many parts of the world and are used extensively as construction materials for roads, embankments and dams, and to support the foundations of buildings, bridges and load-bearing pavements. The characteristics and engineering properties of residual soils can differ significantly from those of the more familiar transported soils. The fact that residual soils occur often in areas with tropical and sub-tropical climates and (extensively) in semi-arid climates, adds another dimension to their engineering performance, that of unsaturation.

Although there are many books that deal with the mechanics of soils, these are based mainly on the characteristics and behaviour of saturated transported soils. The first edition of this book was the first book to be written specifically about the mechanics of residual soils. The book was prepared by a panel of authors drawn from the Technical Committee on Tropical and Residual Soils of the International Society for Soil Mechanics and Foundation Engineering. It was written as a practical professional guide for geotechnical engineers working with residual soils.

The second edition has retained the valuable information contained in the first edition. The present editors and authors have extensively revised and augmented the content to bring it completely up to date, adding significantly to the sections on unsaturated soil mechanics and expanding the range and number of instructive case histories. Furthermore, sections on pedocretes, dispersive soils and karst have been added.

## **Mechanics of Residual Soils, Second Edition** From Brand: Taylor Francis Bibliography

- Sales Rank: #3937931 in Books
- Brand: Brand: Taylor Francis
- Published on: 2012-05-03
- Original language: English
- Number of items: 1
- Dimensions: 9.70" h x 1.00" w x 6.90" l, 1.95 pounds
- Binding: Hardcover
- 392 pages

 [Download Mechanics of Residual Soils, Second Edition ...pdf](#)

 [Read Online Mechanics of Residual Soils, Second Edition ...pdf](#)

## **Editorial Review**

### **About the Author**

*Geoffrey Blight* completed his PhD at Imperial College, London, on the mechanics of unsaturated soils, under the supervision of the legendary Alan Bishop. His early work, published jointly with Bishop in 1960, 1961 and 1963, provided data that is still being used by new generations of researchers on unsaturated soil behaviour. He soon became interested in residual soils, publishing his first work on unsaturated residual soils in 1963. He served as Chairman of the International Society for Soil Mechanics and Foundation Engineering's Technical Committee on the Properties of Tropical and Residual Soils from 1994 to 1997 and edited and co-authored the book "Mechanics of Residual Soils", produced during his Chairmanship.

*Eng-Choon Leong* is an Associate Professor at School of Civil Engineering, Nanyang Technological University, Singapore. He obtained his bachelors and masters degrees at the National University of Singapore and a PhD at the University of Western Australia. He has eighteen years of research and teaching experience in Geotechnical Engineering. His research interests are unsaturated soils, residual soils, soil dynamics, foundation engineering and numerical modeling. He has published widely in international journals and conferences. He has extensive experience in laboratory and field testing of saturated and unsaturated soils and in-situ monitoring of residual soil slopes. He has also developed a number of specialized laboratory testing apparatuses and data acquisition systems for field applications. He is also active in consultancy and national technical committees on standards. He has received several awards for his contribution to the accreditation of commercial soil testing laboratories and is a co-author of the ASTM Outstanding Article on the Practice of Geotechnical Engineering awarded in 2006.

## **Users Review**

### **From reader reviews:**

#### **Margert Lewis:**

Reading a reserve tends to be new life style with this era globalization. With reading you can get a lot of information which will give you benefit in your life. Having book everyone in this world can share their idea. Ebooks can also inspire a lot of people. Many author can inspire their own reader with their story or even their experience. Not only the storyline that share in the textbooks. But also they write about the knowledge about something that you need illustration. How to get the good score toefl, or how to teach your sons or daughters, there are many kinds of book that exist now. The authors these days always try to improve their ability in writing, they also doing some exploration before they write to the book. One of them is this Mechanics of Residual Soils, Second Edition.

#### **Jennifer Rogers:**

Does one one of the book lovers? If so, do you ever feeling doubt while you are in the book store? Attempt to pick one book that you find out the inside because don't judge book by its deal with may doesn't work is difficult job because you are afraid that the inside maybe not seeing that fantastic as in the outside

appearance likes. Maybe your answer may be *Mechanics of Residual Soils, Second Edition* why because the great cover that makes you consider in regards to the content will not disappoint a person. The inside or content is definitely fantastic as the outside or perhaps cover. Your reading sixth sense will directly guide you to pick up this book.

**Pearl Norris:**

Many people spending their time frame by playing outside along with friends, fun activity together with family or just watching TV all day long. You can have new activity to enjoy your whole day by reading through a book. Ugh, do you think reading a book will surely hard because you have to accept the book everywhere? It ok you can have the e-book, delivering everywhere you want in your Mobile phone. Like *Mechanics of Residual Soils, Second Edition* which is keeping the e-book version. So , try out this book? Let's notice.

**Adrian Johnson:**

Book is one of source of understanding. We can add our knowledge from it. Not only for students but additionally native or citizen have to have book to know the up-date information of year to be able to year. As we know those guides have many advantages. Beside many of us add our knowledge, may also bring us to around the world. From the book *Mechanics of Residual Soils, Second Edition* we can take more advantage. Don't one to be creative people? To get creative person must choose to read a book. Simply choose the best book that suitable with your aim. Don't become doubt to change your life by this book *Mechanics of Residual Soils, Second Edition*. You can more appealing than now.

**Download and Read Online *Mechanics of Residual Soils, Second Edition* From Brand: Taylor Francis #5PHFNRLT0B7**

## **Read Mechanics of Residual Soils, Second Edition From Brand: Taylor Francis for online ebook**

Mechanics of Residual Soils, Second Edition From Brand: Taylor Francis Free PDF d0wnl0ad, audio books, books to read, good books to read, cheap books, good books, online books, books online, book reviews epub, read books online, books to read online, online library, greatbooks to read, PDF best books to read, top books to read Mechanics of Residual Soils, Second Edition From Brand: Taylor Francis books to read online.

## **Online Mechanics of Residual Soils, Second Edition From Brand: Taylor Francis ebook PDF download**

**Mechanics of Residual Soils, Second Edition From Brand: Taylor Francis Doc**

**Mechanics of Residual Soils, Second Edition From Brand: Taylor Francis Mobipocket**

**Mechanics of Residual Soils, Second Edition From Brand: Taylor Francis EPub**

**5PHFNRLT0B7: Mechanics of Residual Soils, Second Edition From Brand: Taylor Francis**