

## Earthworks

### A guide

Paul Nowak

### About the Book

*Earthworks: A guide* outlines the key principles and practicalities of earthworks for projects of all scales, for the construction of minor works through to major earth structures. It provides comprehensive coverage of the essential processes behind: classification of fills, excavation, fill material design, fill selection, fill compaction, and cutting and embankment stability, offering information on these critical topics to earthworks engineers.

Earthworks operations include the excavation, transport, placement and compaction of fill materials to construct earth structures, and is a significant element of almost all civil engineering projects. A good understanding of earthworks design and construction enables the delivery of successful projects and avoidance of costly problems.

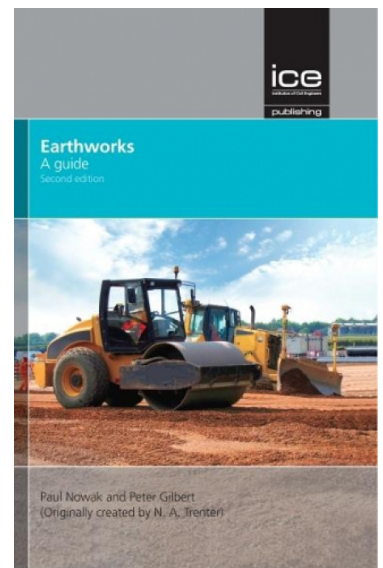
#### *Earthworks: A guide*

- builds on the original work by Neil Trenter, and is revised and updated in line with current standards and practice
- establishes the essential theoretical background to the compaction process
- explains design and construction control and monitoring procedures necessary for earthworks
- describes different approaches to the selection of engineering properties for designing earth structures
- includes a description of safety factors for slopes and embankments.

*Earthworks* discusses the practical consequences of the choices made by engineers, it evaluates environmental, economic and ground risk management factors, and provides essential information and practical advice to those working in earthwork engineering today.

Addressing the needs of all involved in earthworks, there are chapters dedicated to design, construction control and the essential processes behind fills and excavations.

This guide is an invaluable and authoritative reference tool for geotechnical engineers, geology specialists and civil engineers working in earthworks.



Format: Hardback

Pagination: 360

Price: £83.00 \$147.00 €96.00

Publication Date:

30th Jan 2015

ISBN: 9780727741165

Enjoy 30% off this ebook with code **EME30** on [ebooks.com](http://ebooks.com) or off the print book when placing an order via [booksales@emerald.com](mailto:booksales@emerald.com) and quoting the code **EME30**.