

1. Record Nr.	UNINA9910797755303321
Autore	Yang Zhongxuan
Titolo	A comprehensive database of tests on axially loaded piles driven in sand // Zhongxuan Yang, Zhejiang University, Hangzhou, China, Richard Jardine, Imperial College, London, UK, Wangbo Guo, Zhejiang University, Hangzhou, China, Fiona Chow, Woodside Energy Ltd., Perth, Australia
Pubbl/distr/stampa	London : , : Elsevier, , [2016] ©2016
ISBN	0-12-804748-8
Descrizione fisica	1 online resource (264 p.)
Soggetti	Piling (Civil engineering) Axial loads Sand
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.
Nota di contenuto	Front Cover; A Comprehensive Database of Tests on Axially Loaded Piles Driven in Sand; Copyright; Contents; Preface; Acknowledgments; Notation List; One - Introduction; Two - Design Methods and Database Assessments; 2.1 CURRENT DESIGN METHODS FOR PILES DRIVEN IN SAND; 2.2 DATABASE ASSESSMENTS OF METHOD UNCERTAINTY AND RELIABILITY; Three - Description of the Extended ZJU-ICL Database; 3.1 OVERVIEW; 3.2 QUALITY CRITERIA; 3.3 DETAILED CHARACTERISTICS; Four - Calculation Methods Applied in Database Analysis; 4.1 APPROACH; 4.2 PROCEDURES; 4.3 KEY PARAMETERS AND THEIR ASSESSMENT 4.3.1 Relative Density Dr4.3.2 Incremental Filling Ratio and Final Filling Ratio; 4.3.3 Interface Shearing Angle f; 4.3.4 Soil Unit Weight and Water Table; 4.3.5 Additional Variables; Five - Preliminary Database Analysis of Method Reliabilities; 5.1 TOTAL CAPACITY; 5.2 SHAFT CAPACITY; 5.3 BASE CAPACITY; 5.4 AGING TRENDS; Six - Summary, Conclusions, and Perspectives; 6.1 SUMMARY; 6.2 CONCLUSIONS; 6.3 PERSPECTIVES; ZJU-ICL Database; PREFACE; NOTATION; PART 1: NEW DATA; PART 2: ACCEPTED ICP DATA; PART 3: ACCEPTED UWA DATA;

References; Index; A; B; C; D; E; F; H; I; J; L; M; N; O; P; R; S; T
UW; Z; Back Cover
