

1. Record Nr.	UNINA9910153184403321
Titolo	Reliability of geotechnical structures in ISO2394 // editors, K.K. Phoon, Department of Civil and Environmental Engineering, National University of Singapore, J.V. Retief, Department of Civil Engineering, Stellenbosch University, South Africa
Pubbl/distr/stampa	Leiden, The Netherlands : , : CRC Press/Balkema, , [2016] ©2016
ISBN	1-351-78339-4 1-315-36417-4 1-351-78340-8
Descrizione fisica	1 online resource (249 pages)
Disciplina	624.1/891
Soggetti	Geotechnical engineering - Standards Earthwork - Reliability
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Note generali	A Balkema book.
Nota di bibliografia	Includes bibliographical references at the end of each chapters and index.
Nota di contenuto	1. Reliability as a basis for geotechnical design / Kok-Kwang Phoon -- 2. General principles on reliability according to ISO2394 / Johan V. Retief, Mahongo Dithinde, and Kok-Kwang Phoon -- 3. Uncertainty representation of geotechnical design parameters / Kok-Kwang Phoon, Widjojo A. Prakoso, Yu Wang, and Jianye Ching -- 4. Statistical characterization of multivariate geotechnical data / Jianye Ching, Dian-Qing Li, and Kok-Kwang Phoon -- 5. Statistical characterization of model uncertainty / Mahongo Dithinde, Kok-Kwang Phoon, Jianye Ching, Limin Zhang, and Johan V. Retief -- 6. Semi-probabilistic reliability-based design / Kok-Kwang Phoon and Jianye Ching -- 7. Direct probability-based design methods / Yu Wang, Timo Schweckendiek, Wenping Gong, Tengyuan Zhao, and Kok-Kwang Phoon.