



20 January 2017

Free access to the 10th anniversary issue of Georisk

The 10th anniversary issue of Georisk has been released. This issue, edited by Prof KK Phoon, publishes influential papers from eminent researchers in the field. The publisher has made this issue accessible for free, and all the papers are now downloadable at <http://explore.tandfonline.com/page/est/georisk10>.

Table of Contents

Special Issue: 10th Anniversary Special Issue for Georisk
Guest Editor: Kok-Kwang Phoon

Editorial 10th Anniversary Special Issue for Georisk
Kok-Kwang Phoon 1

Role of reliability calculations in geotechnical design
Kok-Kwang Phoon 4

Evaluation of rock property variability
Adeyemi Emman Aladejare and Yu Wang 22

Influence of model type, bias and input parameter variability on reliability analysis for simple limit states in soil–structure interaction problems
Richard J. Bathurst and Sina Javankhoshdel 42

Offshore pile system model biases and reliability
Jinbo Chen and Robert B. Gilbert 55

The need for judgement in geotechnical reliability studies
J. Michael Duncan and Matthew Sleep 70

Reliability-based design of spread footings on clays reinforced with aggregate piers
Ahmad Kahiel, Shadi Najjar and Salah Sadek 75

Response surface-based robust geotechnical design of supported excavation – spreadsheet-based solution
Sara Khoshnevisan, Lei Wang and C. Hsein Juang 90

Defining and selecting characteristic values of geotechnical parameters for designs to Eurocode 7
Trevor L. L. Orr 103

Learning soil parameters and updating geotechnical reliability estimates under spatial variability – theory and application to shallow foundations
Iason Papaioannou and Daniel Straub 116

Exploration and decision-making in geotechnical engineering – a case study
Rita Sousa, Karim S. Karam, Ana Laura Costa and Herbert H. Einstein 129

Full probabilistic design of slopes in spatially variable soils using simplified reliability analysis method
Te Xiao, Dian-Qing Li, Zi-Jun Cao and Xiao-Song Tang 146