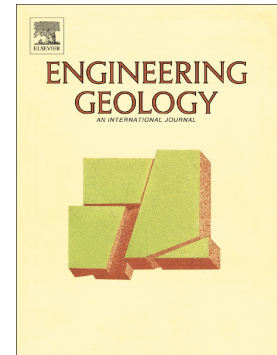


Accepted Manuscript

Bayesian updating of slope reliability in spatially variable soils with in-situ measurements

Shui-Hua Jiang, Iason Papaioannou, Daniel Straub



PII: S0013-7952(17)31323-6
DOI: doi:[10.1016/j.enggeo.2018.03.021](https://doi.org/10.1016/j.enggeo.2018.03.021)
Reference: ENGEO 4799
To appear in: *Engineering Geology*
Received date: 10 September 2017
Revised date: 15 January 2018
Accepted date: 21 March 2018

Please cite this article as: Shui-Hua Jiang, Iason Papaioannou, Daniel Straub , Bayesian updating of slope reliability in spatially variable soils with in-situ measurements. The address for the corresponding author was captured as affiliation for all authors. Please check if appropriate. Enggeo(2018), doi:[10.1016/j.enggeo.2018.03.021](https://doi.org/10.1016/j.enggeo.2018.03.021)

This is a PDF file of an unedited manuscript that has been accepted for publication. As a service to our customers we are providing this early version of the manuscript. The manuscript will undergo copyediting, typesetting, and review of the resulting proof before it is published in its final form. Please note that during the production process errors may be discovered which could affect the content, and all legal disclaimers that apply to the journal pertain.

Re-submitted to Engineering Geology

Manuscript, January 15, 2018

Bayesian updating of slope reliability in spatially variable soils with in-situ measurements

Shui-Hua Jiang*

School of Civil Engineering and Architecture, Nanchang University, 999 Xuefu Road, Nanchang 330031, P. R. China.

Engineering Risk Analysis Group, Technische Universität München, Arcisstr. 21, 80290 München, Germany.

E-mail: sjiangaa@ncu.edu.cn

Iason Papaioannou

Engineering Risk Analysis Group, Technische Universität München, Arcisstr. 21, 80290 München, Germany.

E-mail: iason.papaioannou@tum.de

Daniel Straub

Engineering Risk Analysis Group, Technische Universität München, Arcisstr. 21, 80290 München, Germany.

E-mail: straub@tum.de

*Corresponding author

School of Civil Engineering and Architecture, Nanchang University, 999 Xuefu Road, Nanchang 330031, P. R. China.

Tel: (86)-791-8396 9657; Fax: (86)-791-8396 9655

E-mail: sjiangaa@ncu.edu.cn

8000 words, 1 table and 8 figures

Abstract

In-situ and/or laboratory test data, monitoring data and other site-specific information are a common basis for assessing geotechnical performance. This information enables one to learn the distribution of geotechnical properties and assess the reliability of geotechnical structures.

Download English Version:

<https://daneshyari.com/en/article/8915894>

Download Persian Version:

<https://daneshyari.com/article/8915894>

[Daneshyari.com](https://daneshyari.com)