Particle damage observed in ring shear tests on sands
Abouzar Sadrekarimi and Scott M. Olson

Effect of cold temperature on the rate of natural attenuation of benzene, toluene, ethylbenzene, and the three isomers of xylene (BTEX)
Ania C. Ulrich, Kristen Tappenden, James Armstrong, and Kevin W. Biggar

Reliability-based calibration of resistance factors for static bearing capacity of driven steel pipe piles
Kiseok Kwak, Kyung Jun Kim, Jungwon Huh, Ju Hyung Lee, and Jae Hyun Park

Effect of grain shape and angularity on the undrained response of fine sands
A. Tsomokos and V. N. Georgiannou

Mechanical response of highly gap-graded mixtures of waste rock and tailings. Part I: Monotonic shear response
Ali Khalili, Dharma Wijewickreme, and G. Ward Wilson

Mechanical response of highly gap-graded mixtures of waste rock and tailings. Part II: Undrained cyclic and post-cyclic shear response
Dharma Wijewickreme, Ali Khalili, and G. Ward Wilson

Measurements of suction versus water content for bentonite–sand mixtures
Setianto Samingan Agus, Tom Schanz, and Delwyn G. Fredlund
Numerical study of the bearing capacity for two interfering strip footings on sands
A. Mabrouki, D. Benmeddour, R. Frank, M. Mellas

Buried pipe detection by ground penetrating radar using the discrete wavelet transform
Sheng-Huoo Ni, Yan-Hong Huang, Kuo-Feng Lo, Da-Ci Lin

Rotation-translation mechanisms for upper-bound solution of bearing capacity problems
Orang Farzaneh, Navid Ganjian, Faradjollah Askari

Numerical analysis on post-grouted drilled shafts: A case study at the Brazo River Bridge, TX
Heejung Youn, Fulvio Tonon

Geometric parameters and REV of a crack network in soil
J.H. Li, L.M. Zhang

Stability analysis of historic underground quarries
Anna Maria Ferrero, Andrea Segalini, Gian Paolo Giani

Analytical solution for one-dimensional consolidation of clayey soils with a threshold gradient
Kang-He Xie, Kun Wang, Yu-Lin Wang, Chuan-Xun Li

A practical co-simulation approach for multiscale analysis of geotechnical systems
Ahmed Elmekati, Usama El Shamy

The ultimate uplift capacity of multi-plate strip anchors in undrained clay
R.S. Merifield, C.C. Smith

Parametric study on seismic ground response by finite element modeling
Angelo Amorosi, Daniela Boldini, Gaetano Elia

Polyhedral modelling of underground excavations
Marc Elmouttie, George Poropat, Gregoire Krahenbuhl

Vertical dynamic response of an inhomogeneous viscoelastic pile
Kuihua Wang, Wenbing Wu, Zhiqing Zhang, Chin Jian Leo

A three-phase model for evaluating the seismic resistance of soils reinforced by a network of symmetrically inclined piles
Thai Son Quang, Hassen Ghazi, de Buhan Patrick

Influences of overburden pressure and soil dilation on soil nail pull-out resistance
Li-Jun Su, Jian-Hua Yin, Wan-Huan Zhou

Singular value decomposition of the compliance response matrix for the triaxial stress condition
Young-Hoon Jung, Wanjei Cho,

Technical Communication

Calibration of the parameters for a hardening-softening constitutive model using genetic algorithms
Md. Rokonuzzaman, Toshinori Sakai

Discussion


Meng-Meng Lu, Kang-He Xie, An-Feng Hu, Guo-Hong Chen, Reply to Comments on 'A general theoretical solution for the consolidation of a composite foundation'
Behavior of unsaturated weathered residual granite soil with initial water contents
Chan-Kee Kim, Tae-Hyung Kim

Constitutive model for rock fractures: Revisiting Barton's empirical model
Pooyan Asadollahi, Fulvio Tonon

Serapeum temple and the ancient annex daughter library in Alexandria, Egypt:
Geotechnical–geophysical investigations and stability analysis under static and seismic conditions
Sayed Hemeda, Kyriazis Pitilakis

Land subsidence and pore structure of soils caused by the high-rise building group through centrifuge model test
Zhen-Dong Cui, Yi-Qun Tang

Analysis of shallow instabilities in soil slopes reinforced with nailed steel wire meshes
Almudena Da Costa, César Sagaseta

Geotechnical characterization of Macau marine deposits
W.M. Yan, Yongfeng Ma

Time series analysis of hydrologic data obtained from a man-made undersea LPG cavern
Yun-Ju Jo, Jin-Yong Lee

Physical model simulation of shallow openings in jointed rock mass under static and cyclic loadings
Kittitep Fuenkajorn, Decho Phueakphum

Technical notes:
Influence of water level fluctuation on phreatic line in silty soil model slope
Zong-Ling Yan, Jun-Jie Wang, He-Jun Chai
Georisk: Assessment and Management of Risk for Engineered Systems and Geohazards
No new Issue
Geosynthetics International
No New Issue
Preface: Special Issue on Sri Lankan Geotechnical Society’s First International Conference on Soil & Rock Engineering
Pinnaduwa H.S.W. Kulatilake

Technical Challenges to In-situ Remediation of Polluted Sites
Krishna R. Reddy

Design and Long-Term Monitoring of Tokyo International Airport Extension Project Constructed on Super-Soft Ground

Field and Laboratory Tests Investigating Settlements of Foundations on Weathered Keuper Marl
Ernst-Dieter Hornig

Characterization of a Sedimentary Soft Rock by a Small In-Situ Triaxial Test
Abbas Taheri and Kazuo Tani

Geotechnical Characterization by In situ and Lab Tests to the Back-Analysis of a Supported Excavation in Metro do Porto
António Viana da Fonseca, Sara Rios Silva and Nuno Cruz

Liquefaction Analysis Using Viscoplastic Kinematic Hardening Constitutive Model
T. Tanaka and K. Okajima

Seismic Response Analysis of Pile Foundations
Thuraisamy Thavaraj, W. D. Liam Finn and Guoxi Wu

Analysis of Flexible Pavements Reinforced with Geogrids
Hema Siriwardane, Raj Gondle and Bora Kutuk
Discrete and continuum analysis of localised deformation in sand using X-ray μCT and volumetric digital image correlation
S.A. HALL; M. BORNERT; J. DESRUES; Y. PANNIER; N. LENOIR; G. VIGGIANI; P. BéSUELLE

Experimental study of kaolin particle orientation mechanism
M. HATTAB; J-M. FLEUREAU

On the evolution of stress and microstructure during general 3D deviatoric straining of granular media
C. THORNTON; L. ZHANG

Evolution of force chains in shear bands in sands
A. RECHENMACHER; S. ABEDI; O. CHUPIN

A microstructure approach to the sensitivity and compressibility of some Eastern Canada sensitive clays
P. DELAGE

Experimental assessment of 3D particle-to-particle interaction within sheared sand using synchrotron microtomography
A. HASAN; K.A. ALSHIBLI

Numerical investigation of granular material behaviour under rotational shear
X. LI; H.-S. YU

Discrete element simulations of direct shear specimen scale effects
J. WANG; M. GUTIERREZ
Foreword to IS Kyushu 2007 special issue on new horizons in earth reinforcement
Jun Otani, Yoshihisa Miyata

Fibre reinforced sands: Experiments and modelling

Fatigue behaviour of a PET-Geogrid under cyclic loading
Helmut Zanzinger, Hartmut Hangen, Dimiter Alexiew

Analysis of back-to-back mechanically stabilized earth walls
Jie Han, Dov Leshchinsky

Bearing capacity of reinforced foundation subjected to pull-out loading in 2D and 3D conditions
Teruo Nakai, Hossain M. Shahin, Feng Zhang, Masaya Hinokio, Mamoru Kikumoto, Shoko Yonaha, A. Nishio

Deformation behavior of clay cap barriers of hazardous waste containment systems: Full-scale and centrifuge tests
J.P. Gourc, S. Camp, B.V.S. Viswanadham, S. Rajesh

Geosynthetic-encased stone columns in soft clay: A numerical study
S.R. Lo, R. Zhang, J. Mak

Multifaceted potentials of tire-derived three dimensional geosynthetics in geotechnical applications and their evaluation
Hemanta Hazarika, Kazuya Yasuhara, Yoshiaki Kikuchi, Ashoke K. Karmokar, Yoshio Mitarai
Cementation liquefaction remediation for existing buildings
H. Mitrani; S. P. G. Madabhushi

Lightweight fill using sand, polystyrene beads and cement
G. E. Abdelrahman

On settlement of stone column foundation by Priebe's method
S. Ellouze; M. Bouassida; L. Hazzar; H. Mroueh

Settlement prediction for soft ground improved by columns
J. C. Chai; N. Miura; T. Kirekawa; T. Hino

Using reinforced soil systems in hammer foundations
M. Heidari; M. H. El Naggar
INTERNATIONAL JOURNAL OF GEOMECHANICS
No new Issue
Modelling of contaminant transport through landfill liners using EFGM
R. Praveen Kumar, G. R. Dodagoudar

The fundamental solution of poroelastic plate saturated by fluid and its applications
P. H. Wen, Y. W. Liu

Wave propagation in an inhomogeneous cross-anisotropic medium
Cheng-Der Wang, Ya-Ting Lin, Yu-Shiuh Jeng, Zheng-Wei Ruan

An iterative pressure-stabilized fractional step algorithm in saturated soil dynamics
Xikui Li, Xue Zhang, Xianhong Han, D. C. Sheng

Site characterization model using least-square support vector machine and relevance
vector machine based on corrected SPT data (N<sub>c</sub>)
Pijush Samui, T. G. Sitharam
TECHNICAL PAPERS

Sequential Analysis of Ground Movements at Three Deep Excavation Sites with Mixed Ground Profiles
Min-Woo Seo, Scott M. Olson, Ku Seung Yang, and Myoung-Mo Kim

Behavior of Step Tapered Bored Piles in Sand under Static Lateral Loading
Nabil F. Ismael

Undrained Bearing Capacity of Strip Footings on Slopes
K. Georgiadis

Class A Prediction of the Behavior of Soft Estuarine Soil Foundation Stabilized by Short Vertical Drains beneath a Rail Track
Buddhima Indraratna, Cholachat Rujikiatkamjorn, Brook Ewers, and Mark Adams

Influence of Water on the Compression Behavior of Decomposed Granite Soil
Tae-Gew Ham, Yukio Nakata, Rolando Orense, and Masayuki Hyodo

Secondary Compression of Municipal Solid Wastes and a Compression Model for Predicting Settlement of Municipal Solid Waste Landfills
Yunmin Chen, Han Ke, Delwyn G. Fredlund, Liangtong Zhan, and Yan Xie

Modification to Translational Failure Analysis of Landfills Incorporating Seismicity
Xuede Qian and Robert M. Koerner

Prediction of Permanent Deformations in Pavements Using a High-Cycle Accumulation Model
T. Wichtmann, H. A. Rondón, A. Niemunis, Th. Triantafyllidis, and A. Lizcano

Contact Erosion at the Interface between Granular Coarse Soil and Various Base Soils under Tangential Flow Condition
Guidoux Cyril, Faure Yves-Henri, Beguin Rémi, and Ho Chia-Chun

TECHNICAL NOTES

Establishing Soil-Water Characteristic Curve of a Fine-Grained Soil from Electrical Measurements
B. Hanumantha Rao and D. N. Singh

Application of BGPR Logging: Two Case Studies
Chieh-Hou Yang, Tzu-Bin Wang, and Hsing-Chang Liu
Parameters Controlling Tensile and Compressive Strength of Artificially Cemented Sand
Nilo Cesar Consoli, Rodrigo Caberlon Cruz, Márcio Felipe Floss, and Lucas Festugato

DISCUSSIONS AND CLOSURES

Discussion of “Probability and Risk of Slope Failure” by F. Silva, T. W. Lambe, and W. A. Marr
J. H. Schmertmann and G. Filz

Discussion of “Probability and Risk of Slope Failure” by F. Silva, T. W. Lambe, and W. A. Marr
Robert Alperstein

Discussion of “Probability and Risk of Slope Failure” by F. Silva, T. W. Lambe, and W. A. Marr
Daniel R. Vanden Berge and Alan J. Esser

Closure to “Probability and Risk of Slope Failure” by F. Silva, T. W. Lambe, and W. A. Marr
Francisco Silva, T. William Lambe, and W. Allen Marr

Discussion of “Oedometer Behavior of an Artificial Cemented Highly Collapsible Soil” by
G. M. Medero, F. Schnaid, and W. Y. Y. Gehling
William J. Neely

Closure to “Oedometer Behavior of an Artificial Cemented Highly Collapsible Soil” by G.
M. Medero, F. Schnaid and W. Y. Y. Gehling
G. M. Medero, F. Schnaid, and W. Y. Y. Gehling

Discussion of “Near-Field Effects on Array-Based Surface Wave Methods with Active Sources” by S. Yoon and G. J. Rix
A. M. W. Aung and E. C. Leong
Comparison of 1D non-linear simulations to strong-motion observations: A case study in a swampy site of French Antilles (Pointe-à-Pitre, Guadeloupe)
A. Roullé, S. Bernardie

Simulating soil stiffness degradation in transient site response predictions
Wei Li, Dominic Assimaki

Evaluation of blast effects on reinforced concrete buildings considering Operational Modal Analysis results
Alemdar Bayraktar, Temel Türker, Ahmet Can Altunişik, Barış Sevim

Characteristics of the strong ground motions from the 6 April 2009 L’Aquila earthquake, Italy
Aybige Akinci, Luca Malagnini, Fabio Sabetta

Reliability assessment of internal stability of reinforced soil structures: A pseudo-dynamic approach
B. Munwar Basha, G.L. Sivakumar Babu

An energy-based procedure for the assessment of seismic capacity of existing frames: Application to RC wide beam systems in Spain
A. Benavent-Climent, R. Zahran

Response spectral attenuation relations for in-slab earthquakes in Indo-Burmese subduction zone
I.D. Gupta

Site response analysis of Vartholomio W-Greece from singular spectrum analysis of microtremor and weak motion data
G-Aakis Tselentis, Paraskevas Paraskevopoulos

Probabilistic seismic performance and loss assessment of a bridge–foundation–soil system
Brendon A. Bradley, Misko Cubrinovski, Rajesh P. Dhakal, Gregory A. MacRae

Deterministic and probabilistic representation of near-field pulse-like ground motion
Abbas Moustafa, Izuru Takewaki