Soxhlet Extraction Determination of Composition of Synthetic Soils
Bardet J., Sanchez J.

Particle Elongation and Deposition Effect to Macroscopic and Microscopic Responses of Numerical Direct Shear Tests
Yan W., Yan W.

Impact of Soil Magnetic Properties on Moisture Content Prediction Using TDR
Mohamed A., Marwan S.

Water Content Measurement in Expansive Soils Using the Neutron Probe
Fityus S., Wells T., Huang W.

A Rigid-Flexible Boundary True Triaxial Apparatus for Testing Soils in a Three-Dimensional Stress State
Yin J., Zhou W., Kumruzzaman M., Cheng C.

Liquefaction Study of Heterogeneous Sand: Centrifuge

Effect of Sample Size on the Behavior of Granular Materials
Hu W., Dano C., Hicher P., Le Touzo J., Derkx F., Merliot E.

A Comparison of Simultaneously Recorded Machine Drive Power and Compactometer Measurements
Meehan C., Tehrani F.

Performance of a Cubical Triaxial Apparatus for Testing Saturated and Unsaturated Soils
Reis R., de Azevedo R., Botelho B., Vilar O.

Estimation of Flow Characteristics in Peat
Malinowska E., Szymanski A., Sas W., Malinowska E., Szymanski A., Sas W.

Leong E., Lee C., Low K.

Power K., Vanapalli S., Leong E., Lee C., Low K.
Intrinsic permeability of materials ranging from sand to rock-fill using natural air convection tests
Jean Côté, Marie-Hélène Fillion, Jean-Marie Konrad

Cyclic deformation of granular material subjected to moving-wheel loads
Tatsuya Ishikawa, Etsuo Sekine, Seiichi Miura

Measured performance of a 26 m deep top-down excavation in downtown Shanghai
Yong Tan, Mingwen Li

Impacts of permafrost degradation on a road embankment at Umiujaq in Nunavik (Quebec), Canada
Richard Fortier, Anne-Marie LeBlanc, Wenbing Yu

Predicting the long-term performance of a geogrid-reinforced embankment on soft soil using two-dimensional finite element analysis
M.R. Karim, G. Manivannan, C.T. Gnanendran, S-C.R. Lo

Two-pile interaction factor revisited
S.L. Chen, C.Y. Song, L.Z. Chen

Passive earth-pressure coefficients by upper-bound numerical limit analysis
Armando N. Antão, Teresa G. Santana, Mário Vicente da Silva, Nuno M. da Costa Guerra

Field monitoring and analysis of twin 3660 mm inside diameter induced trench culverts installed under 21.7 m of fill
Benjamin L. McGuigan, Arun J. Valsangkar

An empirical model for the evaluation of the degree of saturation of shallow soils in relation to rainfalls
Roberto Valentino, Lorella Montrasio, Gian Luca Losi, Marco Bittelli

Water flow and storage in fractured, unsaturated sulphur blocks
T.K. Birkham, M.J. Hendry, S.L. Barbour, S.K. Carey, J.R. Lawrence, R. Lewko

Coupling hydraulic with mechanical models for unsaturated soils
Daichao Sheng, An-Nan Zhou

Changing impermeability boundary conditions to obtain free surfaces in unconfined seepage problems
S. López-Querol, P. Navas, J. Peco, J. Arias-Trujillo
Prediction of probabilistic settlements via spectral stochastic meshless local Petrov–Galerkin method
Guang-Yih Sheu

An automatic procedure for train speed evaluation by the dominant frequency method
Sheng-Huoo Ni, Yan-Hong Huang, Kuo-Feng Lo

Multi-dimensional chemo-osmotic consolidation of clays
Yu-Chao Li, P.J. Cleall, H.R. Thomas

Elastoplastic constitutive modelling of soil–structure interfaces under monotonic and cyclic loading
Sofia Costa D’Aguiar, Arezou Modaressi-Farahmand-Razavi, Jaime Alberto dos Santos, Fernando Lopez-Caballero

An adaptive time integration scheme for blast loading on a saturated soil mass
R. Al-Khoury, J. Weerheijm, K. Dingerdis, L.J. Sluys

A fast algorithm for finding the first intersection with a non-convex yield surface Daichao Sheng, Charles E. Augarde, Andrew J. Abbo

Evaluation of the compression index of soils using an artificial neural network Hyun Il Park, Seung Rae Lee

Modelling the Cone Penetration Test in sand using Cavity Expansion and Arbitrary Lagrangian Eulerian Finite Element Methods
A. Tolooiyan, K. Gavin

 Unsaturated resilient behavior of a natural compacted sand
Hossein Nowamooz, Cyrille Chazallon, Maria Ioana Arsenie, Pierre Hornych, Farimah Masrouri

Stability of a circular tunnel in cohesive-frictional soil subjected to surcharge loading
Kentaro Yamamoto, Andrei V. Lyamin, Daniel W. Wilson, Scott W. Sloan, Andrew J. Abbo

Experimental and numerical study of the behavior of a reinforced-earth wall subjected to a local load
E. Bourgeois, L. Soyez, A. Le Kouby

DISECA – A Matlab code for dispersive waveform calculations
R. Gaždová, J. Vilhelm

Numerical modeling of ground borehole expansion induced by application of pulse discharge technology
Hyunku Park, Seung-Rae Lee, Tae-Hoon Kim, Nak-Kyung Kim

Effect of rock mass disturbance on the stability of rock slopes using the Hoek–Brown failure criterion
A.J. Li, R.S. Merifield, A.V. Lyamin

Design of hydraulic structures considering different sheetpile configurations and flow through canal banks
Ashraf A Ahmed

Numerical analysis of an embankment built on soft soil reinforced with deep mixing columns: Parametric study
Paulo J. Venda Oliveira, João L.P. Pinheiro, António A.S. Correia

Probabilistic infinite slope analysis
D.V. Griffiths, Jinsong Huang, Gordon A. Fenton
Spatial attenuation: The most sensitive ultrasonic parameter for detecting petrographic features and decay processes in carbonate rocks
J. Martínez-Martínez, D. Benavente, M.A. García-del-Cura

Terrestrial remote sensing-based estimation of mean trace length, trace intensity and block size/shape
M. Sturzenegger, D. Stead, D. Elmo

Change of mechanical behavior between solidified and remolded solidified dredged materials
Yinghao Huang, Wei Zhu, Xuede Qian, Nan Zhang, Xuanzhao Zhou

L.Q. Zhang, J. Zhou, X.L. Wang
Geomechanics and Geoengineering
No New Issue
Preparedness and Warning Systems for Populations with Special Needs: Ensuring Everyone Gets the Message (and Knows What To Do)  
Helen T. Sullivan and Markku T. Häkkinen

SLSE Damage Detection Technique for Foundation Strengthening Using Plates  
S. E. Chen, D. M. Boyajian and H. I. Inyang

Importance of Experimental Testing for Damage Identification of Existing Buildings in Egypt  
Mohamed Sobaih

Hydraulic Conductivity Tests for Evaluating Compatibility of Lateritic Soil—Fly Ash Mixtures with Municipal Waste Leachate  
Agapitus Ahamefule Amadi

Liquefaction Hazard Assessment of Earth Quake Prone Area: a Study Based on Shear Wave Velocity by Multichannel Analysis of Surface Waves (MASW)  
N. Sundararajan and T. Seshunarayana

Electro-Osmotic Consolidation Studies on Peat and Clayey Silt Using Electric Vertical Drain  
Shenbaga R. Kaniraj, H. L. Huong and J. H. S. Yee

Theoretical Study on the TBM Tool-Rock Interaction  
Nicola Innaurato and Pierpaolo Oreste

Seismic Passive Earth Pressure on Walls with Bilinear Backface Using Pseudo-Dynamic Approach  
Sreevalsala Kolathayar and Priyanka Ghosh

Analyses of the Distribution and Nature of the Natural Cementation of Quaternary Sediments: The Case of the Turin Subsoil (Italy)  
Francesca De Rienzo and Pierpaolo Oreste

Application of Artificial Intelligence to Maximum Dry Density and Unconfined Compressive Strength of Cement Stabilized Soil  
Sarat Kumar Das, Pijush Samui and Akshaya K. Sabat
Identifying and Analyzing Problematic Soils
M. M. Ali

On the Study of Pile Driving Formula Based on Blow Counts
M. M. Ali, M. R. Selamat, S. S. Yii and W. K. Ng

Seismic Passive Earth Pressure Behind Non Vertical Wall with Composite Failure Mechanism: Pseudo-Dynamic Approach
Priyanka Ghosh and Sreevalsa Kolathayar

Role of the Damping Ratio of Reinforcement on the Behaviour of Geogrids-Reinforced Systems
Agostinho Mendonça and M-Lurdes Lopes
Editorial: partial saturation in compacted soils
Domenico Gallipoli

Hydromechanical behaviour of a heterogeneous compacted soil: experimental observations and modelling
A. Gens; B. Valleján; M. Sánchez; C. Imbert; M.V. Villar; M. Van Geet

Modelling the response of Lechago earth and rockfill dam
E.E. Alonso; S. Olivella; A. Soriano; N.M. Pinyol; F. Esteban

Physical modelling of wetting-induced collapse in embankment base
L. Thorel; V. Ferber; B. Caicedo; I.M. Khokhar

Effects of the maximum soil aggregates size and cyclic wetting–drying on the stiffness of a lime-treated clayey soil
A.M. Tang; M.N. Vu; Y.-J. Cui

Some aspects of the behaviour of compacted soils along wetting paths
S. Taibi; J.M. Fleureau; N. Abou-Bekr; M.I. Zerhouni; A. Benchouk; K. Lachgueur; H. Souli
Design method for geotextile tubes considering strain – Formulation and verification by laboratory tests using photogrammetry
S. Cantré, F. Saathoff

Impact of a synthetic leachate on permittivity of GCLs measured by filter press and oedopermeameter tests
S. Rosin-Paumier, N. Touze-Foltz, A. Pantet

Centrifuge model tests of geotextile-reinforced soil embankments during an earthquake
Liping Wang, Ga Zhang, Jian-Min Zhang

Numerical analysis of a laterally loaded shaft constructed within an MSE wall
Jie Huang, Robert L. Parsons, Jie Han, Matthew Pierson

Modeling of the cyclic behavior of shallow foundations resting on geomesh and grid-anchor reinforced sand
A.H. Boushehrian, N. Hataf, A. Ghahramani

Analysis of geosynthetic tubes filled with several liquids with different densities
Josef Malik, Stanislav Sysala

Dynamic behavior of reinforced walls – Horizontal displacement response
Ching-Chuan Huang, Jeng-Chong Horng, Wen-Jong Chang, Jiunn-Shyang Chiou, Chia-Han Chen

Deformation and consolidation around encased stone columns
Jorge Castro, César Sagaseta

Effect of subgrade soil stiffness on the design of geosynthetic tube
Wei Guo, Jian Chu, Shuwang Yan

Evaluation of the EUROSEM model for predicting the effects of erosion-control blankets on runoff and interrill soil erosion by water
T. Smets, L. Borselli, J. Poesen, D. Torri

An incremental model to assess the environmental impact of cap cover systems on MSW landfill emissions
Matthias J. Staub, Giorgia Marcolina, Jean-Pierre Gourc, Raphaël Simonin

Behavior of geogrid-reinforced ballast under various levels of fouling
Buddhima Indraratna, Ngoc Trung Ngo, Cholachat Rujikiatkamjorn

Analysis of installation damage tests for LRFD calibration of reinforced soil structures
Richard J. Bathurst, Bingquan Huang, Tony M. Allen

Shear strength of geosynthetic composite systems for design of landfill liner and cover slopes
Hisham T. Eid
Analysis and modification of the British Standard BS8006 for the design of piled embankments
S.J.M. van Eekelen, A. Bezuijen, A.F. van Tol

Puncture resistance of polyester (PET) and polypropylene (PP) needle-punched nonwoven geotextiles
George R. Koerner, Robert M. Koerner

Pore size distribution of hybrid nonwoven geotextiles
Amit Rawal, Harshvardhan Saraswat
Direct shear tests on sand treated with xanthan gum
Ali Firat Cabalar; Hanifi Canakci

Compressibility behaviour of preloaded highly plastic clays
J. Bindu; P. Vinod

Deep soft soil improvement by alkaline activation
Nuno Cristelo; Stephanie Glendinning; Amandio Teixeira Pinto

Bearing resistance of reinforced soil-aggregate systems
Asha M Nair; G. Madhavi Latha

Performance of stone columns with circumferential nails
Sitaram Nayak; Ramaiah Shivashankar; Madhalam Ramanaidu Dheerendra Babu
On the hydraulic intake shape factor for a circular opening located at an impervious boundary: Influence of inclined stratification
A. P. S. Selvadurai

A simulation study of microstructure evolution inside the shear band in biaxial compression test
Zafar Mahmood and Kazuyoshi Iwashita

A non-coaxial and unbalanced plastic flow rule for geomaterials and its application to the shear band orientation prediction
G. S. Wang and L. W. Kong

Application of extended Kalman filter to back analysis of the natural stress state accounting for measuring uncertainties
Cheng Xiang Yang, Yong Hong Wu, Tung Hon and Xia-Ting Feng

Modelling the flow of self-compacting concrete
S. Kulasegaram, B. L. Karihaloo and A. Ghanbari

Seismic bearing capacity of shallow foundations near rock slopes using the generalized Hoek–Brown criterion
Z. Saada, S. Maghous and D. Garnier
Coupling of BEM with a large displacement and rotation algorithm  
Pooyan Asadollahi and Fulvio Tonon

Dynamic responses of a poroelastic half-space from moving trains caused by vertical track irregularities  
Z. G. Cao, Y. Q. Cai, H. L. Sun and C. J. Xu

Seismic wave propagation analysis in vertical arrays at Kashiwazaki–Kariwa nuclear power plant site by using modified normalized input–output minimization (mod-NIOM) method  
Santa Man Shrestha and Hideji Kawakami

A comparison of variational formats for porous media subjected to dynamic loading  
B. Lenhof, F. Larsson and K. Runesson

Investigation of model uncertainty for block stability analysis  
Mehdi Bagheri and Håkan Stille

Cell to node projections: An assessment of error  
Imene R. Goumiri and Jean H. Prevost

Performance of seismically loaded shearwalls on nonlinear shallow foundations  
Prishati Raychowdhury and Tara C. Hutchinson
TECHNICAL PAPERS

Recent Stress-History Effects on Compressible Chicago Glacial Clays
Richard J. Finno and Wanjei Cho

Reliability of Settlement Prediction—Case History
Tien H. Wu, Hon, Stephan M. Gale, Steven Z. Zhou, and Eugene C. Geiger

Responses of Buildings with Different Structural Types to Excavation-Induced Ground Settlements
Moorak Son and Edward J. Cording

Retesting of Liquefaction and Nonliquefaction Case Histories from the 1976 Tangshan Earthquake
R. E. S. Moss, R. E. Kayen, L.-Y. Tong, S.-Y. Liu, G.-J. Cai, and J. Wu

Dynamic Stiffness and Damping of a Shallow Foundation from Forced Vibration of a Field Test Structure
Salih Tileylioglu, Jonathan P. Stewart, and Robert L. Nigbor

Intramethod Variability in ReMi Dispersion Measurements and Vs Estimates at Shallow Bedrock Sites
Brady R. Cox and Andrew N. Beekman

Model Tests and Analyses of Bearing Capacity of Strip Footing on Stiff Ground with Voids
Makoto Kiyosumi, Osamu Kusakabe, and Masatoshi Ohuchi

Three-Dimensional Nonlinear Analyses of a Metro Tunnel in São Paulo Porous Clay, Brazil
J. Almeida e Sousa, A. Negro, M. Matos Fernandes, and A. S. Cardoso

Probabilistic Analysis of Pressurized Tunnels against Face Stability Using Collocation-Based Stochastic Response Surface Method
Guilhem Mollon, Daniel Dias, and Abdul-Hamid Soubra

Erosion Study of New Orleans Levee Materials Subjected to Plunging Water
Wongil Jang, Chung R. Song, Jinwon Kim, Alexander H.-D. Cheng and Ahmed Al-Ostaz

Centrifuge Modeling of Ship Impact Loads on Bridge Pile Foundations
L. M. Chu and L. M. Zhang

Effect of Microfabric on Undrained Static and Cyclic Behavior of Kaolin Clay
Rakesh J. Pillai, R. G. Robinson, and A. Boominathan
CASE STUDIES

Fill Placement on Slopes Underlain by Franciscan Mélange
Timothy D. Stark, Erik J. Newman, Gregory de la Peña, and Donald H. Hillebrandt

TECHNICAL NOTES

Nonexistence of Solution for Horizontally Rigid Half-Space
A. J. Anyaegbunam, N. N. Osadebe, and O. J. Eze-Uzomaka

DISCUSSIONS AND CLOSURES

Discussion of “Sensor-Enabled Geosynthetics: Use of Conducting Carbon Networks as Geosynthetic Sensors” by Kianoosh Hatami, Brian P. Grady, and Matthew C. Ulmer
Qiming Chen

Closure to “Sensor-Enabled Geosynthetics: Use of Conducting Carbon Networks as Geosynthetic Sensors” by Kianoosh Hatami, Brian P. Grady, and Matthew C. Ulmer
Kianoosh Hatami, Brian P. Grady, and Matthew C. Ulmer

Discussion of “Evaluation of Remolded Shear Strength and Sensitivity of Soft Clay Using Full-Flow Penetrometers” by Nicholas Yafrate, Jason DeJong, Don DeGroot, and Mark Randolph
Fernando Artur Brasil Danziger, Graziella Maria Faquim Jannuzzi, and Ian Schumann Marques Martins

Closure to “Evaluation of Remolded Shear Strength and Sensitivity of Soft Clay Using Full-Flow Penetrometers” by Nicholas Yafrate, Jason DeJong, Don DeGroot, and Mark Randolph
Jason DeJong, Mark Randolph, Don DeGroot and Nicholas Yafrate

Discussion of “CPT-DMT Correlations” by P. K. Robertson
Silvano Marchetti

Discussion of “CPT-DMT Correlations” by P. K. Robertson
Roger Failmezger

Closure to “CPT-DMT Correlations” by P. K. Robertson
P. K. Robertson

Discussion of “Plate Load Tests on Cemented Soil Layers Overlaying Weaker Soil” by Nilo Cesar Consoli, Francisco Dalla Rosa, and Anderson Fonini
Luciano Décourt

Closure to “Plate Load Tests on Cemented Soil Layers Overlaying Weaker Soil” by Nilo Cesar Consoli, Francisco Dalla Rosa, and Anderson Fonini
Nilo Cesar Consoli, Francisco Dalla Rosa, and Anderson Fonini
Closure to “Reliability-Based Economic Design Optimization of Spread Foundations” by Yu Wang
Yu Wang
TECHNICAL PAPERS

APPROXIMATE NUMERICAL ANALYSIS OF A LARGE PILED RAFT FOUNDATION
PASTSAKORN KITIYODOM, TATSUNORI MATSUMOTO and RYUUICHI SONODA

A SIMPLE PNEUMATIC LOADING SYSTEM CONTROLLING STRESS AND STRAIN RATES FOR ONE-DIMENSIONAL COMPRESSION OF CLAY
WARAT KONGKITKUL, SHOHEI KAWABE, FUMIO TATSUOKA and DAIKI HIRAKAWA

A STRESS PATH METHOD FOR SETTLEMENT COMPUTATION OF NORMALLY CONSOLIDATED CLAYS
CHANG-YOUB KIM, YOUNG-HOON JUNG and CHOONG-KI CHUNG

IMPROVEMENT AND APPLICATION OF A P-WAVE MEASUREMENT SYSTEM FOR LABORATORY SPECIMENS OF SAND AND GRAVEL
SAJJAD MAQBOOL, REIKO KUWANO and JUNICHI KOSEKI

MODEL TEST AND CONSOLIDATION ANALYSIS OF FAILURE OF A LOOSE SANDY EMBANKMENT DAM DURING SEEPAGE
TOSHIKAZU HORI, YOSHIYUKI MOHRI, YUJI KOHGO and KENICHI MATSUSHIMA

A NEW MODEL FOR UNSATURATED SOIL USING SKELETON STRESS AND DEGREE OF SATURATION AS STATE VARIABLES
FENG ZHANG and TOMOYUKI IKARIYA

CEMENTATION OF SANDS DUE TO MICROBIOLOGICALLY-INDUCED CARBONATE PRECIPITATION
MASAHARU FUKUE, SHIN-ICHI ONO and YOSHIO SATO

STUDY OF STRAIN LOCALIZATION AND MICROSTRUCTURAL CHANGES IN PARTIALLY SATURATED SAND DURING TRIAXIAL TESTS USING MICROFOCUS X-RAY CT
YOSUKE HIGO, FUSAO OKA, SAYURI KIMOTO, TAISUKE SANAGAWA and YOSHIKI MATSUSHIMA

ON THE PARTICLE SIZE DISTRIBUTION OF A BASALTIC TILL
FATIN ALTUHAFI, BÉATRICE A. BAUDET and PETER SAMMONDS

MOBILIZATION AND LEACHING OF NATURAL AND WATER DISPERSIBLE COLLOIDS IN AGGREGATED VOLCANIC ASH SOIL COLUMNS
CHAMINDU DEEPAGODA T.K.K., KEN KAWAMOTO, HIROTAKA SAITO, LIS
WOLLESEN DE JONGE, PER MOLDRUP and TOSHIKO KOMATSU

PREDICTION OF SETTLEMENT IN NATURAL DEPOSITED CLAY GROUND WITH RISK OF LARGE RESIDUAL SETTLEMENT DUE TO EMBANKMENT LOADING
MUTSUMI TASHIRO, TOSHIHIRO NODA, MOTOHIRO INAGAKI, MASAKI NAKANO and AKIRA ASAOKA

THE EFFECT OF AIR FOAM INCLUSION ON THE PERMEABILITY AND ABSORPTION PROPERTIES OF LIGHT WEIGHT SOIL
YOSHIKAI KIKUCHI, TAKESHI NAGATOME, TAKA-AKI MIZUTANI and HIROYUKI YOSHINO

MEASUREMENT OF DEGREE OF SATURATION ON MODEL GROUND BY DIGITAL IMAGE PROCESSING
NORIMASA YOSHIMOTO, ROLANDO P. ORENSE, FUMIAKI TANABE, NAOTAKA KIKKAWA, MASAYUKI HYODO and YUKIO NAKATA

YIELDING CHARACTERISTIC AND NON-COAXIALITY OF TOYOURA SAND ON $p'\text{-CONSTITUTIVE}$ CONSTANT SHEAR STRESS PLANE
HIROSHI OHKAWA, JIRO KUWANO, TAKAFUMI NAKADA and SHINYA TACHIBANA

TECHNICAL REPORT

FIELD PERFORMANCE OF PVD COMBINED WITH REINFORCED EMBANKMENT ON PEATY GROUND
HIROCHIKA HAYASHI, SATOSHI NISHIMOTO and MORITO TAKAHASHI
SH-wave diffraction by a semi-circular hill revisited: A null-field boundary integral equation method using degenerate kernels
Jeng-Tzong Chen, Jia-Wei Lee, Chine-Feng Wu, I-Lin Chen

Experimental study of seismic behavior of two hilly sites in Tehran and comparison with 2D and 3D numerical modeling
Mohammad Khandan Bakavoli, Ebrahim Haghshenas, Mohsen Kamalian

Ground shaking scenarios at the town of Vicoforte, Italy
L. Scandella, C.G. Lai, D. Spallarossa, M. Corigliano

A response-based simplified model for vertical vibrations of embedded foundations
Shi-Shuenn Chen, Jun-Yang Shi

Dynamic response of a porous seabed around pipeline under three-dimensional wave loading
X.L. Zhang, D.S. Jeng, M.T. Luan

Three-dimensional nonlinear seismic analysis of concrete faced rockfill dams subjected to scattered P, SV, and SH waves considering the dam-foundation interaction effects
Ali Seiphoori, S. Mohsen Haeri, Masoud Karimi

Experimental validation of soil-structure interaction of offshore wind turbines
S. Bhattacharya, S. Adhikari

Enhancement of long period components of recorded and synthetic ground motions using InSAR
Jose A. Abell, Juan Carlos de la Llera, Charles W. Wicks

Developing fragility curves for a pile-supported wharf
Jiunn-Shyang Chiou, Chi-Han Chiang, Ho-Hsiung Yang, Shang-Yi Hsu

Stability analysis of multi-directional anchored rock slope subjected to surcharge and seismic loads
Sanjay Kumar Shukla, Md. Monir Hossain

Dynamic passive pressure from c-ϕ soil backfills
Sanjay Kumar Shukla, Daryoush Habibi

Site response effects on an urban overpass
J.M. Mayoral, J.Z. Ramirez
Some Issues in Geosynthetic Reinforced Walls and Slopes
D. Leshchinsky

Advance in Geogrid Reinforced Slopes in Malaysia
T.A. Ooi and C.H. Tee

Embankment Construction with Saturated Clayey Fill Material Using Geocomposites
J.-C. Chai, T. Hino, Y. Igaya, and Y. Yamauchi

Numerical Modeling of Geosynthetic-Reinforced Earth Structures and Geosynthetic-Soil Interactions
J. Huang, A. Bhandari, and X. Yang

Geosynthetic Tubes and Geosynthetic Mats: Analyses and Applications
J. Chu, W. Guo, and S.W. Yan

Performance-based Design for Geosynthetic Liner Systems in Landfills
Y.M. Chen, W.A. Lin, B. Zhu, and L.T. Zhan

Quantifying the Influence of Geosynthetics on Performance of Reinforced Granular Bases in Laboratory
J. Han, Y. Zhang, and R.L. Parsons