JOURNAL OF GEOTECHNICAL AND GEOENVIRONMENTAL ENGINEERING
Vol. 137 – 2011

SPIS TREŚCI

nr 1

TECHNICAL PAPERS
1 Hydraulic Conductivity of Geosynthetic Clay Liners Exhumed from Landfill Final Covers with Composite Barriers / Joseph Scalia, Craig H. Benson
14 Evaluation of Undrained Shear Strength Using Full-Flow Penetrometers / Jason T. DeJong, Nicholas J. Yafrate, Don J. DeGroot
27 Hydromechanical Analysis of Upstream Tailings Disposal Facilities / Bassam Saad, Hani Mitri
43 Stability of Steep Slopes in Cemented Sands / Brian D. Collins, Nicholas Sitar
52 Three-Dimensional Large Deformation FE Analysis of Square Footings in Two-Layered Clays / Yong Yu, Jun Liu, Xian-jing Kong, Yuxia Hu
59 Horizontal Bearing Capacity of Piles in a Lateritic Soil / Maycon Andre de Almeida, Miriam Gongalves Miguel, Sidnei Helder Cardoso Teixeira
70 Characterization of Model Uncertainty in the Static Pile Design Formula / M. Dithinde, K. K. Phoon, M. De Wet, J. V. Relief
86 Void Ratio Estimation of Soft Soils Using Electrical Resistivity Cone Probe / Joon Han Kim, Hyung-Koo Yoon, Jong-Sub Lee

CASE STUDIES
94 Performance of Excavations with Cross Walls / Chang-Yu Ou, Pio-Go Hsieh, Yi-Lang Lin

TECHNICAL NOTES
105 Validation of Lade's Failure Criteria at Overconsolidated General Stress States / Sonia Fortuna

DISCUSSIONS AND CLOSURES
109 Discussion of "Axial Compression of Footings in Cohesionless Soils. I: Load-Settlement Behavior" by Sami O. Akbas and Fred H. Kulhawy / Marco Uzielli, Paul W. Mayne
110 Closure / Sami O. Akbas, Fred H. Kulhawy
110 Discussion of "Behavior of Pile Groups Subject to Excavation-Induced Soil Movement in Very Soft Clay" by D. E. L. Ong, C. F. Leung, and Y. K. Chow / Francesco Castelli
112 Closure / D. E. L. Ong, C. F. Leung, Y. K. Chow
TECHNICAL PAPERS


140 Expanded Reliability-Based Design Approach for Drilled Shafts / Yu Wang, Siu-Kui Au, Fred H. Kulhawy

150 Internal Erosion and Rehabilitation of an Earth-Rock Dam / Raul Flores-Berrones, Martin Ramirez-Reynaga, Emir Jose Macari

161 Use of $A = 0$ as a Failure Criterion for Weakly Cemented Soils / Christopher D. P. Baxter, M. S. Ravi Sharma, Kathryn Moran, Hans Vaziri, Raja Narayanasamy

171 Behavior of Cemented Paste Backfill in Two Mine Stopes: Measurements and Modeling / Matthew Helinski, Martin Fahey, Andy Fourie

TECHNICAL NOTES

183 Stability Charts for 3D Failures of Steep Slopes Subjected to Seismic Excitation / Radoslaw L. Michalowski, Tabetha Martel

190 Minimum Foundation Mass for Vibration Control / A. J. Anyaegbunan
**TECHNICAL PAPERS**

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

208 Estimating Fully Probabilistic Seismic Sliding Displacements of Slopes from a Pseudoprobabilistic Approach / Ellen M. Rathje, Gokhan Saygili

218 Soil Uncertainty and Its Influence on Simulated G/Gmax and Damping Behavior / Kallol Sett, Berna Unutmaz, Kemal Onder Cetin, Suzana Koprivica, Boris Jeremic


239 Reliability-Based Design for External Stability of Narrow Mechanically Stabilized Earth Walls: Calibration from Centrifuge Tests / Kuo-Hsin Yang, Jianye Ching, Jorge G. Zornberg

254 Use of a Line of Piles to Prevent Damages Induced by Tunnel Excavation / Emilio Bilotta, Gianpiero Russo

**CASE STUDIES**

263 Fill Placement on Slopes Underlain by Franciscan Melange / Timothy D. Stark, Erik J. Newman, Gregory de la Pena, Donald H. Hillebrandt

**TECHNICAL NOTES**

273 Influence of Underlying Weak Soil on Passive Earth Pressure in Cohesionless Deposits / Scott J. Brandenberg, Pirooz Kashighandi

279 Pipe-Soil Interaction Model Incorporating Large Lateral Displacements in Calcareous Sand / Yinghui Tian, Mark J. Cassidy

288 Impact of Bituminous Subballast on Railroad Track Deformation Considering Atmospheric Actions / T. Moco Ferreira, P. Fonseca Teixeiro, R. Cardoso

**DISCUSSIONS AND CLOSURES**

293 Discussion of "Method for Evaluation of Depth of Wetting in Residential Areas" by Kenneth D. Walsh, Craig A. Colby, William N. Houston, and Sandra L. Houston / John D. Nelson, Kuo-Chieh Chao, Daniel D. Overton

296 Discussion / Vukoslav E. Aguirre

299 Closure / Kenneth D. Walsh, Craig A. Colby, William N. Houston, Sandra L. Houston

309 Discussion of "Mechanisms of Seismically Induced Settlement of Buildings with Shallow Foundations on Liquefiable Soil" by Shideh Dashti, Jonathan D. Bray, Juan M. Pestana, Michael Riemer, and Dan Wilson / Curtis N. Jensen

309 Closure / Shideh Dashti, Jonathan D. Bray, Juan M. Pestana, Michael Riemer, Dan Wilson
EDITOR'S NOTE
311 State of the Journal / Patrick J. Fox

TECHNICAL PAPERS
312 Reliability of Settlement Prediction—Case History / Tien H. Wu, Stephan M. Gale, Steven Z. Zhou, Eugene C. Geiger
323 Responses of Buildings with Different Structural Types to Excavation-Induced Ground Settlements / Moorak Son, Edward J. Cording
334 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, J. Wu
344 Dynamic Stiffness and Damping of a Shallow Foundation from Forced Vibration of a Field Test Structure / Salih Tileylioglu, Jonathan P. Stewart, Robert L. Nigbor
354 Intramethod Variability in ReMi Dispersion Measurements and $V_S$ Estimates at Shallow Bedrock Sites / Brady R. Cox, Andrew N. Beekman
363 Model Tests and Analyses of Bearing Capacity of Strip Footing on Stiff Ground with Voids / Makoto Kiyosumi, Osamu Kusakabe, Masatoshi Ohuchi
376 Three-Dimensional Nonlinear Analyses of a Metro Tunnel in Sao Paulo Porous Clay, Brazil / J. Almeida e Sousa, A. Negro, M. Matos Fernandes, A. S. Cardoso
385 Probabilistic Analysis of Pressurized Tunnels against Face Stability Using Collocation-Based Stochastic Response Surface Method / Guilhem Mollon, Daniel Dias, Abdul-Hamid Soubra
421 Effect of Micro fabric on Undrained Static and Cyclic Behavior of Kaolin Clay / Rakesh J. Pillai, R. G. Robinson, A. Boominathan

TECHNICAL NOTES
430 Nonexistence of Solution for Horizontally Rigid Half-Space / A. J. Anyaegbunam, N. N. Osadebe, O. J. Eze-Uzomaka

DISCUSSIONS AND CLOSURES
435 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
435 Closure / Kianoosh Hatami, Brian P. Grady, Matthew C. Ulmer
436 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, Ian Schumann Marques Martins
440 Closure / Jason DeJong, Mark Randolph, Don DeGroot, Nicholas Yafrate
441 Discussion of "CPT-DMT Correlations" by P. K. Robertson / **Silvano Marchetti**
442 Discussion / **Roger Failmezger**
443 Closure / **P. K. Robertson**
447 Discussion of "Plate Load Tests on Cemented Soil Layers Overlaying Weaker Soil" by Nilo Cesar Consoli, Francisco Dalla Rosa, and Anderson Fonini / **Luciano Decourt**
448 Closure / **Nilo Cesar Consoli, Francisco Dalla Rosa, Anderson Fonini**
450 Closure to "Reliability-Based Economic Design Optimization of Spread Foundations" by Yu Wang / **Yu Wang**

**ERRATA**
451 Erratum for "Use of SPT Blow Counts to Estimate Shear Strength Properties of Soils: Energy Balance Approach" by Hiroshan Hettiarachchi and Timothy Brown / **Hiroshan Hettiarachchi**
451 Erratum for "Closure to 'Assessment of the Liquefaction Susceptibility of Fine-Grained Soils' by Jonathan D. Bray and Rodolfo B. Sancio" / **Jonathan D. Bray and Rodolfo B. Sancio**
452 Erratum for "Long-Term Reinforcement Load of Geosynthetic-Reinforced Soil Retaining Walls" by Huabei Liu and Myoung-Soo Won / **Huabei Liu, Myoung-Soo Won**
nr 5

TECHNICAL PAPERS
453 Meta-Analysis of 301 Slope Failure Calculations. I: Database Description / Quentin B. Travis, Mark W. Schmeeckle, David M. Sebert
471 Meta-Analysis of 301 Slope Failure Calculations. II: Database Analysis / Quentin B. Travis, Mark W. Schmeeckle, David M. Sebert
483 Effect of Antecedent Rainfall Patterns on Rainfall-Induced Slope Failure / Arezoo Rahimi, Harianto Rahardjo, Eng-Choon Leong
492 Application of an Anisotropic Constitutive Model for Structured Clay to Seismic Slope Stability / Mahdi Taiebat, Amir M. Kaynia, Yannis F. Dafalias
505 Simplified Method for Spatial Evaluation of Liquefaction Potential in the St. Louis Area / Jae-Won Chung, J. David Rogers
516 Field Measurements and Finite-Element Method Simulation of a Tunnel Shaft Constructed by Pneumatic Caisson Method in Shanghai Soft Ground / Fang-Le Peng, Hai-Lin Wang, Yong Tan, Zheng-Liang Xu, Yao-Liang Li
525 Analysis of Tunneling-Induced Ground Movements Using Transparent Soil Models / Mahmoud Ahmed, Magued Iskander
536 Cyclic Behavior of Asphalt Concrete Used as Impervious Core in Embankment Dams / Weibiao Wang, Kaare Hoeg

TECHNICAL NOTES
545 Effect of Interparticle Friction on the Cyclic Behavior of Granular Materials Using 2D DEM / Md. Mahmud Sazzad, Kuchi Suzuki
550 Assessing the Potential of Internal Erosion and Suffusion of Granular Soils / Buddhima Indraratna, Vo Trong Nguyen, Cholachat Rujikiatkamjorn

DISCUSSIONS AND CLOSURES
555 Discussion of "New Earth Retention System with Prestressed Wales in an Urban Excavation" by Jong-Sik Park, Yong-Sun Joo, and Nak-Kyung Kim / Manuel Mates Fernandes, Baldomiro Xavier
TECHNICAL PAPERS
557  Applicability of Conventional p-y Relations to the Analysis of Piles in Laterally Spreading Soil / Christopher R. McGann, Pedro Arduino, Peter Mackenzie-Helnwein
568  Improved Evaluation of Equivalent Top-Down Load-Displacement Curve from a Bottom-Up Pile Load Test / Hyeong-joo Kim, Jose Leo C. Mission
579  Reliability of Vs.io Evaluation from Surface-Wave Tests / C. Comina, S. Foti, D. Bolero, L. V. Socco
587  Penetrometer-Based Assessment of Spudcan Penetration Resistance / Junhwan Lee, Mark Randolph
611  Analytical Model for Fracture Grouting in Sand / A. Bezuijen, R. Grotenhuis, A. F. van Tol, J. W. Bosch, J. K. Haasnoot
621  Effective Void Ratio for Assessing the Mechanical Properties of Cement-Clay Admixtures at High Water Content / Pornkasem Jongpradist, Sompote Youwai, Chai Jaturapitakkul

TECHNICAL NOTES
628  Variables Controlling Stiffness and Strength of Lime-Stabilized Soils / Nilo Cesar Consoli, Luizmar da Silva Lopes Jr., Pedro Domingos Marques Prietto, Lucas Festugato, Rodrigo Caberlon Cruz
TECHNICAL PAPERS

633 Field Pullout Testing and Performance Evaluation of GFRP Soil Nails / Hong-Hu Zhu, Jian-Hua Yin, Albert T. Yeung, Wei Jin

643 In-Situ Desaturation Test by Air Injection and Its Evaluation through Field Monitoring and Multiphase Flow Simulation / Mitsu Okamura, Masaya Takebayashi, Katsuji Nishida, Nao Fujii, Motoharu Jinguji, Takehiko Imasato, Hideaki Yasuham, Emiko Nakagawa

653 Extreme Compaction Effects on Gas Transport Parameters and Estimated Climate Gas Exchange for a Landfill Final Cover Soil / Shoichiro Hamamoto, Per Moldrup, Ken Kawamoto, Praneeth Nishadi Wickramarachchi, Masanao Nagamori, Toshiko Komatsu

663 Slope Stabilizing Piles and Pile-Groups: Parametric Study and Design Insights / R. Kourkoulis, F. Gelagoti, I. Anastasopoulos, G. Gazetas

678 Wedge Failure Analysis of Soil Resistance on Laterally Loaded Piles in Clay / Youngho Kim, Sangseom Jeong, Sungjune Lee

695 Influence of Penetration Rate on Penetrometer Resistance / Jose R. M. S. Oliveira, Marcio S. S. Almeida, Helena P. G. Motta, Maria C. F. Almeida

704 Ultimate Uplift Capacity of Multiplate Helical Type Anchors in Clay / R. S. Merifield

717 Centrifuge Modeling of the Cyclic Lateral Response of a Rigid Pile in Soft Clay / Chenrong Zhang, David White, Mark Randolph
TECHNICAL PAPERS


743 Relationship between NP GCL Internal and HOPE GMX/NP GCL Interface Shear Strengths / Patrick J. Fox, Jason D. Ross

754 Centrifuge Modeling of Seismically Induced Uplift for the BART Transbay Tube / J. C. Chou, B. L. Kutter, T. Travasarou, and J. M. Chacko

766 Experimental Study of Wellbore Instability in Clays / Naeem O. Abdulhadi, John T. Germaine, Andrew J. Whittle

777 Analytical Method for Predicting the Mobility of Slow-Moving Landslides owing to Groundwater Fluctuations / Enrico Conte, Antonello Troncone

785 Slug Test Analysis in Vertical Cutoff Walls with Consideration of Filter Cake / The-Bao Nguyen, Chulho Lee, and Hangseok Choi

798 New Method for the Evaluation of Material Damping Using the Wavelet Transform / Yanjun Yang, Giovanni Cascante, Maria Anna Polak

DISCUSSIONS AND CLOSURES

809 Discussion of "Shear Strength in Preexisting Landslides" by Timothy D. Stark and Manzoor Hussain / James V. Hamel, William R. Adams Jr.

811 Closure / Timothy D. Stark, Manzoor Hussain

812 Discussion of "Addressing Sulfate-Induced Heave in Lime Treated Soils" by Dallas N. Little, Syam Nair, and Bruce Herbert / Binu Stanley, Bishwajit Chowdhury, Asadul Haque

813 Discussion / Stephan A. Jefferis

TECHNICAL PAPERS
834  Estimating Hydraulic and Thermal Conductivities of Crushed Granite Using Porosity and Equivalent Particle Size / Jean Cote, Marie-Helene Fillion, Jean-Marie Konrad

TECHNICAL NOTES
843  Soil-Structure Interaction of an Earth Pressure Cell / Gregory S. Wachman, Joseph F. Labuz
846  Compressibility of Kaolinitic Clay Contaminated by Ethanol-Gasoline Blends / Lucio Di Matteo, Federica Bigoiti, Remo Ricco
850  Analytical Solution for Diffusion of VOCs through Composite Landfill Liners / Peter John Cleall, Yu-Chao Li

DISCUSSIONS AND CLOSURES
855  Discussion of "Axial Compression of Footings in Cohesionless Soils. II Bearing Capacity" / Sami O. Akbas, Fred H. Kulhawy Ramesh C. Gupta
856  Closure / Sami O. Akbas, Fred H. Kulhawy
857  Discussion of "Probabilistic Analysis of Coupled Soil Consolidation" by Jinsong Huang, D. V. Griffiths, and Gordon A. Fenton / Pouya Pishgah Gilani and Reza Jamshidi Chenari
858  Closure / Jinsong Huang, D. V. Griffiths, Gordon A. Fenton
SPECIAL SECTION: ASCE AWARD PAPER
INTRODUCTION
861 Introduction to 2008 Peck Lecture Arthur Hoffmann / Ralph B. Peck Award
862 2008 Peck Lecture: The Observational Method: Case History and Models / Tien H. Wu

TECHNICAL PAPERS
874 Reducing Erosion of Earthen Levees Using Engineered Flood Wall Surface / Chung R. Song, Jinwon Kim, Ge Wang, Alexander H.-D. Cheng
882 Laterally Loaded Shaft Group Capacities and Deflections behind an MSE Wall / Matthew C. Pierson, Robert L. Parsons, Tie Han, James J. Brennan
890 Geotechnical Analysis of Heat Exchanger Piles / Christoph Knellwolf, Herve Peron, Lyesse Laloui
903 Shaft Capacity of Open-Ended Piles in Sand / David John Paul Igoe, Kenneth George Gavin, Brendan C. O 'Kelly
926 Correction for Geometry Changes during Motion of Sliding-Block Seismic Displacement / Constantine A. Stamatopoulos, Constantine Mavromihalis, Sarada Sarma
939 3D FE Analyses of Buried Pipeline with Elbows Subjected to Lateral Loading / T. P. Cheong, K. Soga, D. J. Robert
958 Embodied Energy and Gas Emissions of Retaining Wall Structures / Tom Inui, Chris Chau, Kenichi Soga, Duncan Nicolson, Nick O' Riordan
968 Evolution of the Hydraulic Conductivity of Reclamation Covers over Sodic/Saline Mining Overburden / Greg P. Meiers, S. Lee Barbour, Clara V. Qualizza, Bonnie S. Dobchuk

TECHNICAL NOTES
977 Increasing the Resistance of Piles Subject to Cyclic Lateral Loading / J. Peng, B. G. Clarke, M. Rouainia

DISCUSSIONS AND CLOSURES
983 Discussion of "Evaluation of Flow Liquefaction and Liquefied Strength Using the Cone Penetration Test" by P. K. Robertson / Mike Jefferies
984 Closure / P. K. Robertson
986 Closure to "Load Testing of a Closed-Ended Pipe Pile Driven in Multilayered Soil" by Daehyeon Kim, Adriano Virgilio Damiani Bica, Rodrigo Salgado, Monica Prezzi, and Wonje Lee / Rodrigo Salgado, Daehyeon Kim, Monica Prezzi, Adriano Virgilio Damiani Bica, Wonje Lee
TECHNICAL PAPERS
989 Bearing Capacity of Spatially Random Cohesive Soil Using Numerical Limit Analyses / Kiyonobu Kasama, Andrew J. Whittle
997 Quantitative Estimation of Clay Mineralogy in Fine-Grained Soils / Bhaskar Chittoori, Anand J. Puppala
1009 Performance and Prediction of Vacuum Combined Surcharge Consolidation at Port of Brisbane / Buddhima Indraratna, Cholachat Rujikiatkamjorn, Jay Ameratunga, Peter Boyle
1019 Effect of GCL Properties on Shrinkage When Subjected to Wet-Dry Cycles / R. Kerry Rowe, L. E. Bostwick, W. A. Take
1028 Water-Retention Behavior of Geosynthetic Clay Liners / Ryley A. Beddoe, W. Andy Take, R. Kerry Rowe
1039 Quantification of Volatile Organic Compounds Diffusion for Virgin Geosynthetic Clay Liners and for a GCL after Contact with a Synthetic Leachate / S. Paumier, N. Touze-Foltz, L. Mazeas, A. Guenne
1047 Prediction and Interpretation of the Performance of a Deep Excavation in Berlin Sand / Maria A. Nikolinakou, Andrew J. Whittle, Stavros Savidis, Ute Schran
1062 Energy Conservation as a Principle Underlying Mobilizable Strength Design for Deep Excavations / S. Y. Lam, M. D. Bolton
1075 Validation of Centrifuge Model Scaling for Soil Systems via Trapdoor Tests / Geraldo R. Iglesia, Herbert H. Einstein, Robert V. Whitman
1090 Shaft Capacity of Open-Ended Piles in Clay / Paul Doherty, Kenneth Gavin
1103 Modeling Time-Dependent Behavior of Soft Sensitive Clay / Zhen-Yu Yin, Minna Karstunen, Ching S. Chang, Mirva Koskinen, Matti Lojander
1114 3D Analyses of Open Trench Barriers Filled with Water / S. H. Ju, H. C. Li

TECHNICAL NOTES
1121 Experimental Study of the Earth Pressure Distribution on Cylindrical Shafts / Tatiana Tobar, Mohamed A. Meguid
1126 Voids/Cement Ratio Controlling Tensile Strength of Cement-Treated Soils / Nilo Cesar Consoli, Antonio Viana da Fonseca, Rodrigo Caberlon Cruz, Sara Rios Silva
TECHNICAL PAPERS
1133 Static and Dynamic Axial Response of Drilled Piers. I: Field Tests / Gang Wang, Gyimah Kasali, Nicholas Sitar
1143 Static and Dynamic Axial Response of Drilled Piers. II: Numerical Simulation / Gang Wang, Nicholas Sitar
1154 Simplified Constitutive Model for Simulation of Cyclic Response of Shallow Foundations: Validation against Laboratory Tests / I. Anastasopoulos, F. Gelagoti, R. Kourkoulis, and G. Gazetas
1169 Effect of Strain Rate on the Stress-Strain Behavior of Sand / Jerry A. Yamamuro, Antonio E. Abrantes, Poul V. Lade
1179 Biocalcification of Sand through Ureolysis / Chiung-Wen Chou, Eric A. Seagren, Ahmet H. Aydilek, Michael Lai
1202 Strength of Weakly Cemented Sands from Drained Multistage Triaxial Tests / M. S. Ravi Sharma, Christopher D. P. Baxter, Kathryn Moran, Hans Vaziri, Raja Narayanasamy
1222 Use of Time-Domain Reflectometry for Quality Control of Soil-Nailing Works / Raymond W. M. Cheung, Dominic O. K. Lo
1236 Performance Monitoring of a Secant-Piled Wall Using Distributed Fiber Optic Strain Sensing / Hisham Mohamad, Kenichi Soga, Adam Pellew, Peter J. Bennett
1244 Keying of Rectangular Plate Anchors in Normally Consolidated Clays / Dong Wang, Yuxia Hu, Mark F. Randolph
1254 Pore Pressures in Concrete Dams / Chong-Hung Zee, Raymond Zee, Roger Zee
1275 Cyclic Strength of Sand under Sustained Shear Stress / I. Yang, H. Y. Sze

TECHNICAL NOTES
1286 In Situ Temperature Monitoring in an Organic-Waste Landfill Cell / Abdelmalek Bouazza, Hani Nahlawi, and Martin Aylward
1290 Energy-Based Method for Providing Soil Surface Erodibility Rankings / Didier Marot, Pierre-Louis Regazzoni, Tony Wahl

DISCUSSIONS AND CLOSURES
1299 Discussion of "Modification to Translational Failure Analysis of Landfills Incorporating Seismicity" by Xuede Qian and Robert M. Koerner / Richard Thiel
1300 Closure / Xuede Qian, Robert M. Koerner
1305 Discussion of "Predicted Loads in Steel Reinforced Soil Walls Using the AASHTO Simplified Method" by Richard J. Bathurst, Axel Nernheim, and Tony M. Allen / Yasser A. Hegazy, James L. Withiam, Robert A. Gladstone, Peter L. Anderson
1307  Closure / Richard J. Bathurst, Axel Nernheim, Tony M. Allen
1310  Discussion of "Shear Strength Equations for Unsaturated Soil under Drying and Wetting" / Goh Shin Guan, Harianto Rahardjo, Leong Eng Choon Saman Zargarbash and Nasser Khalili
1313  Closure / S. G. Goh, H. Rahardjo, and E. C. Leong
1316  Discussion of "Effects of Strain Localization on Seismic Active Earth Pressures" / Jian-Min Zhang, Fei Song, De-Ji Li Venanzio R. Greco
1316  Closure / Jian-Min Zhang, Fei Song, De-Ji Li

1318  REVIEWERS

Oprac. BPK