Summary List of Journals (in alphabetical order) as of December 1, 2007

Acta Geotechnica.................................................................................................................................... 1
ASTM Geotechnical Testing Journal..................................................................................................... 1
Canadian Geotechnical Journal............................................................................................................. 2
Computers and Geotechnics.................................................................................................................. 3
Engineering Geology (Volume 92, 1-4)................................................................................................... 4
Geomechanics and Geoengineering ....................................................................................................... 5
GeoRisk: Assessment and Management of Risk for Engineered Systems and Geohazards .............. 5
Geosynthetics International ................................................................................................................... 5
Geotechnical and Geological Engineering ............................................................................................ 5
Geotechnique.......................................................................................................................................... 6
Geotextiles and Geomembranes............................................................................................................. 7
Ground Improvement ............................................................................................................................ 8
International Journal of Geomechanics................................................................................................. 8
International Journal of Numerical and Analytical Methods in Geomechanics................................. 9
Journal of Geotechnical and Geoenvironmental Engineering.............................................................. 9
Soils and Foundations .......................................................................................................................... 11
Soil Dynamics and Earthquake Engineering.......................................................................................... 13

Acta Geotechnica
Volume 2, Number 3 / October, 2007
No new issue published

ASTM Geotechnical Testing Journal

Volume 30, Issue 6 (November 2007)

Rapid Pseudo-Static Measurement of Hysteretic Capillary Pressure-Saturation Relationships in Unconsolidated Porous Media
Chen L, Miller GA, Kibbey TC

A Numerical View into Direct Shear Specimen Size Effects
Jacobson DE, Valdes JR, Evans TM

A Novel Trimming Technique for Frozen Sand Specimens
Sanzeni A, Germaine JT, Whittle AJ, Colleselli F
Page Count: 4

Compiled by the Geotechnical Group at North Carolina State University – 2007
A New Automatic Device for Measuring Large Volume Changes
Fair P, Anderson WF

Shear Strength Estimation of Sandy Soils Using Shear Wave Velocity
Cha M, Cho G

A Laboratory Model to Study Arching within a Hydraulic Fill Stope
Pirapakaran K, Sivakugan N

Measuring Drained Residual Strengths in the Bromhead Ring Shear
Meehan CL, Brandon TL, Duncan J


A Column Apparatus for Investigation of 1-D Unsaturated-Saturated Response of Sand-Geotextile Systems
Bathurst RJ, Ho AF, Siemens G

Local Radial Displacement Measurements of Soil Specimens in a Triaxial Test Apparatus Using Laser Transducers
Messerklinger S, Springman SM

Canadian Geotechnical Journal
Volume 44, Number 9, September 2007

Colloquium 2004: Hydrogeotechnical properties of hard rock tailings from metal mines and emerging geoenvironmental disposal approaches
Bruno Bussière

Base load – displacement response of piles in sand
Kenneth Gavin and Barry Lehane

Effet de la température sur le comportement des sols non saturés sur les chemins de drainage et d’humidification
Moulay-Smaiène Ghembaza, Said Taïbi, and Jean-Marie Fleureau

The 2003 Canadian Geotechnical Colloquium: Mechanistic interpretation and practical application of damage and spalling prediction criteria for deep tunnelling
Mark S. Diederichs

Indirect methods to assess the solid particle thermal conductivity of Quebec marine clays
Jean Côté and Jean-Marie Konrad

Influence of soil permeability on rainfall-induced flowslides in laboratory flume tests
Fawu Wang and Hiroki Shibata
Computers and Geotechnics

Volume 35, Issue 1, Pages 1-114 (January 2008)

1. Dynamic response of a layered water-saturated half space to a moving load
   Pages 1-10  Bin Xu, Jian-Fei Lu and Jian-Hua Wang
2. Torsional vibrations of single piles embedded in saturated medium
   Pages 11-21  Guocai Wang, Wei Ge, Xiaodong Pan and Zhe Wang
3. 3D periodic BE–FE model for various transportation structures interacting with soil
4. Ultimate bearing capacity prediction of shallow foundations on cohesionless soils using neurofuzzy models
   Pages 33-46  D. Padmini, K. Ilamparuthi and K.P. Sudheer
5. Numerical evaluation of 3D passive earth pressure coefficients for retaining wall subjected to translation
   Pages 47-60  S. Benmeebarek, T. Khelifa, N. Benmeebarek and R. Kastner
6. Influence of past loading history on the seismic response of earth dams
   Pages 61-85  Stefania Sica, Luca Pagano and Arezou Modaressi
7. Design implications of the vertical pseudo-static coefficient in slope analysis
   Pages 86-96  Robert Shukha and Rafael Baker
8. UDEC modelling on wave propagation across fractured rock masses
   Pages 97-104  X.B. Zhao, J. Zhao, J.G. Cai and A.M. Hefny

Technical Communication

9. Impact of convergence on slope stability analysis and design
   Pages 105-113  Y.M. Cheng, T. Lansivaara and J. Siu
Engineering Geology

Vol. 95 Issue 1-2, page 1-56

Research papers

Study of a prehistoric landslide using seismic reflection methods integrated with geological data in the Wasatch Mountains, Utah, USA
Pages 1-29
Brady E. Tingey, John H. McBride, Timothy J. Thompson, William J. Stephenson, John V. South and Michelle Bushman

Thirty-year land elevation change from subsidence to uplift following the termination of groundwater pumping and its geological implications in the Metropolitan Taipei Basin, Northern Taiwan
Pages 30-47
Chih-Tung Chen, Jyr-Ching Hu, Chia-Yu Lu, Jian-Cheng Lee and Yu-Chang Chan

Technical note

Towards the digital indexation of USCS classification: Case study in Israel
Pages 48-55
Dmitri Doudkinski, Vladimir Frid, Gadi Liskevich, Larisa Prihodko and Raisa Zlotnikov

Vol. 95 Issue 3-4, page 57-100

Research papers

The geotechnical effects of long human habitation (2000< years): Earthquake induced landslide hazard in the city of Zefat, northern Israel
Pages 57-78
Oded Katz and Onn Crouvi

The effect of pH of water and mineralogical properties on the slake durability (degradability) of different rocks from the Lesser Himalaya, India
Pages 79-87
Vikram Gupta and Iqrar Ahmed

Using GB-SAR technique to monitor slow moving landslide
Pages 88-98
Linhsia Noferini, Massimiliano Pieraccini, Daniele Mecatti, Giovanni Macaluso, Carlo Atzeni, Matteo Mantovani, Gianluca Marcato, Alessandro Pasuto, Sandro Silvano and Fabrizio Tagliavini
Geomechanics and Geoengineering
No new issue published.

GeoRisk: Assessment and Management of Risk for Engineered Systems and Geohazards
Volume: 1 Issue: 3 (2007)

Original Articles:
“Reliability Assessment of Excavation Systems Considering Both Stability and Serviceability Performance” by Jun Kyung Park, J. Tanner Blackburn, and Paolo Gardoni

“Scenario-based Probabilistic Estimation of Direct Loss for Geohazards” by M. Uzielli and S. Lacasse


“General and Local Estimation of Local Average and their Application in Geotechnical Parameter Estimations” by Yusuke Honjo and Budhi Setiawan

Geosynthetics International
Volume: 14, Issue: 6, Date: 01/12/2007

Numerical analysis of reinforced soil-retaining wall structures with cohesive and granular backfills

Model tests on geosynthetic-encased stone columns

Seismic response of wrap-faced reinforced soil-retaining wall models using shaking table tests

Centrifuge model tests on geotextile-reinforced slopes

Geotechnical and Geological Engineering
Volume 25, Number 6 / December, 2007

Identification of Microfabric of Kaolinite Clay Mineral Using X-ray Diffraction Technique
Ajanta Sachan and Dayakar Penumadu

Analysis of A Braced Excavation In Soft Soils Considering The Consolidation Effect
Pedro Alves Costa, José Leitão Borges and Manuel Matos Fernandes

Failure Process after Peak Strength of Artificial Joints by Fractal Dimension
M. Askari and M. Ahmadi

Numerical Analysis of Multi Layer Geosynthetic-Reinforced Granular Bed over Soft Fill
Kousik Deb, N. Sivakugan, Sarvesh Chandra and P. K. Basudhar

Dissipation Testing of Singapore Marine Clay by Piezocone Tests
A. Arulrajah, M. W. Bo, H. Nikraz and A. S. Balasubramaniam

Behavior of Reinforced Soil Retaining Wall With Limited Fill Zone Paramete
A. L. Shinde and J. N. Mandal

Design of Inclined Covers with Capillary Barrier Effect by S.-E. Parent and A. Cabral
B. Bussière, M. Aubertin and G. Zhan

Seismic Retrofit of Gravity Retaining Walls for Residential Fills Using Ground Anchors
Aurelian Catalin Trandafir, Toshitaka Kamai, Roy Carl Sidle and Mihail Popescu

Seismic Passive Earth Pressure Behind Non-vertical Retaining Wall Using Pseudo-dynamic Analysis
Priyanka Ghosh

Stabilisation of the Stanton Lees Landslip Using an Embedded Pile Retaining Wall
Steve J. Hodgetts, Brendan C. O’Kelly and Matthew J. Raybould

Geotechnique
Volume: 57, Issue: 10, Dec 2007

The effect of the yield and plastic potential deviatoric surfaces on the failure height of an embankment
Grammatikopoulou, Zdravkovic, Potts

Stability of a loaded pile adjacent to a slurry-supported trench
Choy, Standing, Mair

Effects of subsurface cavity expansion in clays
Au, Yeung, Soga, Cheng

An analysis of the triaxial apparatus using a mixed boundary three-dimensional discrete element model
Cui, O’sullivan, O’neill
Thermo-hydro-mechanical modelling of an in situ heating experiment
Jia, Wileveau, Su, Duveau, Shao

Volume: 57, Issue: 9, Nov 2007

Failure envelopes for offshore shallow foundations under general loading
Gourvenec

Simple prediction of the undrained displacement of a circular surface foundation on non-linear soil
Osman, White, Britto, Bolton

The undrained cyclic behaviour of a carbonate sand
Qadimi, Coop

Performance of a fibre-reinforced sand at large shear strains
Consoli, Casagrande, Coop

A new discrete fracture modelling approach for rock masses
Pine, Owen, Coggan, Rance

Oxygen diffusion through partially hydrated geosynthetic clay liners
Bouazza, Rahman

Hydrostatic paradox of saturated media
El Tani

Mesri

Hinchberger, Qu

Geotextiles and Geomembranes
Volume 26, Issue 1, Pages 1-108 (February 2008)

Experimental and theoretical investigation of strength of soil reinforced with multi-layer horizontal–vertical orthogonal elements
Pages 1-13
M.X. Zhang, H. Zhou, A.A. Javadi and Z.W. Wang
Long-term barrier performance of modified bentonite materials against sodium and calcium permeant solutions
Published: 8
Takeshi Katsumi, Hiroyuki Ishimori, Masanobu Onikata and Ryoichi Fukagawa
A tilt table device for testing geosynthetic interfaces in centrifuge
Published: 31-38
W. Wu, H. Wick, F. Ferstl and F. Aschauer
2D and 3D numerical simulations of reinforced embankments on soft ground
Published: 39-55
Dennes T. Bergado and Chairat Teerawattanasuk
Model tests of geocell retaining structures
Published: 56-70
R.H. Chen and Y.M. Chiu
Accelerated ageing of polypropylene geotextiles, the effect of temperature, oxygen pressure and aqueous media on fibers—Methodological aspects
Published: 71-81
Emmanuel Richaud, Fabienne Farcas, Loïc Divet and Jean Paul Benneton

Technical Notes
The influence of bentonite extrusion on shear strength of GCL/geomembrane interface
Published: 82-90
Ana Vukelić, Antun Szavits-Nossan and Predrag Kvasnička
Finite element analysis of geotextile-reinforced sand-bed subjected to strip loading
Published: 91-99
P.K. Basudhar, P.M. Dixit, Ashish Gharpure and Kousik Deb
Geotechnical performance of waste tires for soil reinforcement from chamber tests
Published: 100-107
Yeo Won Yoon, Seung Beom Heo and Keun Soo Kim

Ground Improvement
No new issue published

International Journal of Geomechanics
Volume: 7 Issue: 6 (November/December 2007)
Technical Papers:
- “Stress-Deformation Behavior of Chalk” by M.U., Holloway-Strong, S.J. Hughes, and E.E. Hellawell
- “Torsional Piles in Two-Layered Nonhomogeneous Soil” by Wei Dong Guo, Y.K. Chow, and Mark F. Randolph
- “Possible Stress Path of HCA for Cyclic Principal Stress Rotation under Constant Confining Pressures” by Yang Shen, Jian Zhou, and Xiao Nan Gong
• “Damage Evaluation with P-Wave Velocity Measurements During Uniaxial Compression Tests on Argillaceous Rocks” by Frederic L. Pellet and Geraldine Fabre

Technical Notes:

• “Is P-Wave Velocity and Indicator of Saturation in Sand with Viscous Pore Fluid?” by Ernest Naesgaard, Peter M. Byrne, and Dharma Wijewickreme

• “Casing Influence in Reservoir Compaction Measurement by Radioactive Markers in the North Adriatic, Italy” by Massimiliano Ferronato, Giuseppe Gambolati, Pietro Teatini, and Carlo Janna

International Journal of Numerical and Analytical Methods in Geomechanics
Volume 31 Issue 15 (25 December 2007)

Viscous behaviour of dry sand (p 1631-1658)
D. Pham Van Bang, H. Di Benedetto, A. Duttine, A. Ezaoui
Published Online: Mar 8 2007 7:45AM
DOI: 10.1002/nag.606

A new solution for a partially penetrating constant-rate pumping well with a finite-thickness skin (p 1659-1674)
Pin-Yuan Chiu, Hund-Der Yeh, Shaw-Yang Yang
Published Online: Feb 28 2007 10:24AM
DOI: 10.1002/nag.607

Revisiting the constitutive equations of unsaturated porous solids using a Lagrangian saturation concept (p 1675-1694)
O. Coussy
Published Online: Mar 26 2007 11:45AM
DOI: 10.1002/nag.613

Consolidation of sensitive clay with vertical drain (p 1695-1713)
Yun-Min Chen, Xiao-Wu Tang, Ning Jia

Journal of Geotechnical and Geoenvironmental Engineering
Volume 133, Number 11/ November, 2007
Technical Papers

San Jacinto Monument Case History
Jean-Louis Briaud, Jennifer Nicks, Keunyoung Rhee, and Gregory Stieben

Uplift Capacity of Suction Caissons under Sustained and Cyclic Loading in Soft Clay
W. Chen and M. F. Randolph

Three-Dimensional Responses Observed in an Internally Braced Excavation in Soft Clay
J. Tanner Blackburn and Richard J. Finno

Centrifuge Modeling of Torsionally Loaded Pile Groups
L. G. Kong and L. M. Zhang

Use of Exact Solutions of Wave Propagation Problems to Guide Implementation of Nonlinear Seismic Ground Response Analysis Procedures
Annie O. L. Kwok, Jonathan P. Stewart, Youssef M. A. Hashash, Neven Matasovic, Robert Pyke, Zhiliang Wang, and Zhaohui Yang

Effect of Sediment Column on Weak-Motion Site Response for a Deep Basin Fill
Barbara Luke and Ying Liu

Modified Topographic Amplification Factors for a Single-Faced Slope due to Kinematic Soil-Structure Interaction
Dominic Assimaki and Eduardo Kausel

Displacements of Multiblock Geotechnical Structures Subjected to Seismic Excitation
Radoslaw L. Michalowski

Pullout Response of Inextensible Sheet Reinforcement Subject to Oblique End Force
J. T. Shahu

Effects of Organic Matter on Physical, Strength, and Volume Change Properties of Compost Amended Expansive Clay
Anand J. Puppala, Sharmi P. Pokala, Napat Intharasombat, and Richard Willammee

Technical Notes

Settlement of Footing on Compacted Ash Bed
Govindachettiar Ramasamy and Sunil Shaligram Pusadkar
Shear Strength Behavior of Fiber-Reinforced Sand Considering Triaxial Tests under Distinct Stress Paths
*Nilo Cesar Consoli, Karla Salvagni Heineck, Michele Dal Toé Casagrande, and Matthew Richard Coop*

**Discussions and Closures**

Discussion of “Effect of Gas on Pore Pressure in Wet Landfills” by Scott Merry, Wolfgang Fritz, Muniram Budhu, and Krzysztof Jesionek Xiong Zhang and Mingjiang Tao

**Closure** by Scott Merry, Wolfgang U. Fritz, Muniram Budhu, and Krzysztof Jesionek

Discussion of “Particle Shape Effects on Packing Density, Stiffness, and Strength: Natural and Crushed Sands” by Gye-Chun Cho, Jake Dodds, and J. Carlos Santamarina Man T. Bui and Jeffrey A. Priest

**Closure** by Gye-Chun Cho, Jake Dodds, and J. Carlos Santamarina

Discussion of “Raked Piles—Virtues and Drawbacks” by Harry G. Poulos, William J. Neely

**Closure** by Harry G. Poulos

Discussion of “Termination Criteria for Jacked Pile Construction and Load Transfer in Weathered Soils” by L. M. Zhang, C. W. W. Ng, F. Chan, and H. W. Pang Feng Yu and Yun-Fang Yang

**Closure** by L. M. Zhang, C. W. W. Ng, F. Chan, and H. W. Pang

**Soils and Foundations**

Vol.47 No.5
October 2007

**TECHNICAL PAPERS**

*Lateral Cyclic Loading of Sand-installed Piles*

F. Rosquoet, L. Thorel, J. Garnier and Y. Canepa  ... 821

*Load Transfer by Soil Arching in Pile-supported Embankments*

W.-P. Hong, J.-H. Lee and K.-W. Lee  ... 833

*Evaluation of Interface Shear Strength between Geosynthetics under Wet Condition*
M. W. Seo, J. B. Park and I. J. Park ... 845

Linear and Nonlinear Valley Amplification Effects on Seismic Ground Motion

P. N. Psarropoulos, T. Tazoh, G. Gazetas and M. Apostolou ... 857

Comparative Study on the Behavior of Encased Stone Column and Conventional Stone Column

S. N. Malarvizhi and Ilamparuthi ... 873

Relationship between the Atterberg Limits and Clay Content

E. Polidori ... 887

Test on Soft Sedimentary Rock under Different Loading Paths and Its Interpretation

G. Ye, F. Zhang, Kiyokazu Naito, H. Aung and Atsushi Yashima ... 897

Measurement of Soil Tensile Strength and Factors Affecting its Measurements

S. B. Tamrakar, Toshiyuki Mitachi and Yasuo Toyosawa ... 911

An Elastoplastic Model for Unsaturated Rockfills and Its Simulations of Laboratory Tests

Yuji Kohgo, Isamu Asano and Yoichi Hayashida ... 919

Active Centrifuge Modeling of Granular Soil Response over Active Circular Trapdoors

M. M. Dewoolkar, K. Santichaianant and H.-Y. Ko ... 931

Mechanical Properties of Unsaturated Low Quality Rockfills

Yuji Kohgo, Isamu Asano and Yoichi Hayashida ... 947

TECHNICAL REPORTS

Mechanical Behavior of Pile Foundation Constructed in Composite Ground and Its Evaluation

Kouichi Tomisawa and Seiichi Miura ... 961

Damage Survey Report on May 27, 2006, Mid Java Earthquake, Indonesia

Junichi Koseki, Mitsutoshi Yoshimine, Tadashi Hara, Takashi Kiyota, R. I. Wicaksono, Satoshi Goto and Y. Agustian ... 973

TECHNICAL NOTE

Stiffness of Frozen Soils Subjected to $K_0$ Consolidation before Freezing

D.-Y. Wang, W. Ma, Z. Wen and Z.-J. Wu ... 991

DISCUSSIONS

Reexamination of Mononobe Okabe Theory of Gravity Retaining Walls Using Centrifuge Model Tests

V. R. Greco ... 999
Reexamination of Mononobe Okabe Theory of Gravity Retaining Walls Using Centrifuge Model Tests (Closure)  

Shinya Nakamura ... 1001

Soil Dynamics and Earthquake Engineering

Volume 27, Issue 12, Pages 1043-1118 (December 2007)

Editorial Board / Aims and Scope

Remediation for buried pipeline systems under permanent ground deformation  
Yun Wook Choo, Tarek H. Abdoun, Michael J. O’Rourke and Da Ha

Assessment of liquefaction triggering using strain energy concept and ANN model: Capacity Energy  
M.H. Baziar and Y. Jafarian

A semi-analytical model in time domain for moving loads  
T. Bierer and C. Bode

Mitigation of the seismic motion near the edge of cliff-type topographies  
C.A. Stamatopoulos, M. Bassanou, A.J. Brennan and G. Madabhushi

Seismic risk assessment for the mega-city of Istanbul: Ductility, strength and maximum interstory drift demands  
Pelin Gundes Bakir, Guido De Roeck, Geert Degrande and Kevin K.F. Wong

Ivanka Paskaleva, Silvia Dimova, Giuliano F. Panza and Franco Vaccari