

Third_Decade_1990- 1999

Papers:	Page
Consolidation of clay in Changi Airport pilot test S.L. LEE, S.A. TAN, G.P. KARUNARATNE and V. CHOA.....	3
Geotechnical properties of weathered sedimentary rocks C.F. LEUNG and R. RADHAKRISHNAN.....	29
Strength and bearing capacity of artificially cemented sands NABIL F. ISMAEL.....	49
Influence of pile driving hammer performance on driving criteria P.C. LIM and B.B. BROMS.....	63
Passive earth pressure of partially saturated soils A. SIVA REDDY and ALOK AGRAWAL.....	71
Discussion.....	89
Papers:	Page
Vertical vibration of piles in non-homogeneous soil FAKHRY Aboul-ella	109
Exploratory graphics and geotechnical data : some introductory remarks P.C. KOTZIAS, A.C. STAMATOPOULOS and P.S. KOUNTOURIS	127
Permanent anchors in weak rock for an office building Y.C. KOG	145
Model piles embedded in submerged sand and subjected to static and cyclic lateral loadings. S.N. ABDULJAUWAD, G.J. AL-SULAIMANI and I.A. BASUNBUL	161
Installation of driven piles in limestone areas S.L. LEE, Y.K. CHOW, K.Y. YONG, G.P. KARUNARATNE and K.Y. WONG	177
Behaviour of offshore piles subjected to storm loading C.Y. LEE and H.G. POULOS	193

Papers_1991

Papers:

The stress history of Singapore Marine Clay

M.F. CHANG 5

Predicted and observed performance of an embankment built to failure on soft clay

E.W. BRAND 23

Computation of passive earth pressure by a simplified method of slices.

T.S.K. LAM 43

Technical note:

Effect of sampling disturbance on soil density

K.W. CHAU 59

Papers:

Triaxial tension tests on compacted kaolin

E.K. BERDIE 121

The granular pile: its present state and future prospects for improvement of soft Bangkok clay

D.T. BERGADO, M.C. ALFARO and J.C. CHAI 143

Construction of a deep slurry trench cut-off wall, Harris dam, Western Australia

S.J. BRICE and C.F. SWINDELLS 177

Behavior of single pile in expansive clay

P.K. CHALLA and H.G. POULOS 189

Technical Notes:

Estimating uplift of foundation due to expansion: a case history

A.A. BASMA 217

Some deformation characteristics of collapsible soils

M.A. EL-SOHBY and S.A. RABBAA 233

Variation in differential pore water pressure and particle size at different constant rate of loading in an automated consolidation testing system

U.N. SINHA and S.N. BHARGAVA 247

Analysis of soil behavior during excavation of shallow tunnel

M. VAFAEIAN 257

Papers_1992

Main Papers :

Static and Cyclic Load Tests on Model Grouted Piles.	
C.Y. LEE and H.G. POULOS	5
Effect of Test Conditions on the Consolidation Behavior.	
A. SRIDHARAN and S. CHANDRAKARAN	29
Cyclic Lateral Loading of Piles in Soft Clay.	
M. GEORGIADIS et al	47
Coupled Hydro-Thermal Cracking in Granite.	
J. ZHAO	61
Technical Note :	
Seepage Calculation of Offshore Bund Design.	
S.A. TAN et al	77
A Note on the Prediction of Secondary Compression .	
N.S. PANDIAN et al	89
Air pollution prevention during fly ash disposal	
Y.J. CHEN, Y. ZHU and F.X. SHI	1
Appropriate geotechnology for Hong Kong's landfill liners	
J.W. COWLAND	11
A study of the re-development potential of a landfill containing iron wastes	
Y.S. JANG, J.M. KIM and Y.J. KIM	31
A technical guidance on geotechnics of landfills and contaminated land	
H.L. JESSBERGER	47
Consolidation behaviour of mineral sand tailings	
S.H. TOH, M.F. RANDOLF	53
Contaminant transport analysis of a natural marine clay landfill liner	
J.I. SOHN, Y.S. JANG and H.I. JEONG	71
Gas migration and control at sanitary landfills in Hong Kong	
J.M. NASH and P.K.H. TSANG	85

Geotechnical and environmental investigations at two existing Hong Kong landfills	
H.T.M. INSLEY, A. STUART and H.M. LIVINGSTON.....	115
On describing fluid flow in porous media	
P.J. HENSLEY and D.A. BARRY.....	131
Roads on peat in East Sumatra	
A.J. BARRY, M.A. BRADY and J.S. YOUNGER.....	145
Strategies for contaminated site rehabilitation in Southeast Asia	
M.H. SCHLENDER and H.K. SULLIVAN.....	163
The chemical characteristics of leachate from blended bauxite refining residue	
S.J. ANDERSON, P.J. HENSLEY, D. SMIRK.....	171

Papers_1993

Behavior of Plate Anchors Embedded in a Two-Layered Clayey Soils S. N. RAO and Y.V.S.N. PRASAD.....	3
Pullout Resistance of Large Geogrid Specimens in Site Specific Soils G. E. BAUER and Q. SHANG.....	17
Uplift Behavior of Strata-Grid Anchored Pipelines Embedded in Granular Soils A.P.S. SELVADURAI	39
Prediction of Earth Pressures on Concrete Retaining Walls from Surface Line Loads A.T.C. GOH.....	57
Pullout Capacity of Steel Grids in Lateritic Soil Backfill D. T. BERGADO and R. SHIVASHANKAR	77
Reactivated Settlement of an Old Monument Founded on Bangkok Clay N. PHIENWEJ and D.K.T. LOAN	99
Earth Pressures Under General Wall Movements Y.S. FANG, F.P. CHENG, R.T. CHEN and C.C. FAN	113
Plate Loading Tests on Weakly Cemented Surface Desert Sands N.F. ISMAEL and H.A. AL-SANAD.....	133
The Origin and Properties of Bouldery Clay in Singapore K.K. HAN, K.S. WONG, B.B. BROMS and L.P. YAP	151
Estimating Fundamental Period of Soil Profiles Y. SINGH and A. K. NAGPAL	167
Formation of Cementations Compounds in Lime-Rice Husk Ash-Soil Mixtures F.H. ALI, A. ADNAN, and C.K. CHOY.....	175

Papers_1994

Main Papers:

Treatment of Expansive Soils to Control Swelling by A.A. BASMA and M. AL-SHARIF	3
A Parametric Study of the Bearing Capacity Equation by N.S. PANDIAN, A. SRIDHARAN and U. SATHEDEVI	21
Performance of Polypropylene-Strip-Reinforced Soil Retaining Structure by Y.H. WANG and M.C. WANG	39
Preliminary Groundwater Modelling of Mae Moh Lignite Mine in Thailand with Reference to Floor Heave by Y. HONJO and P.H. GIAO	55
Hyperbolic Method for Evaluation of Settlement of Ground Pretreated by Drains and Surcharge by S.A. TAN	75

Technical Note:

Uniaxial Compressive Strengths of Marble from the Kuala Lumpur Limestone Abstracted and/or Indexed in Geotechnical Abstracts by J.K. RAJ	91
--	----

Main Papers:

Behaviour of Pile Groups in Calcareous Sand by R.H. AL-DOURI and H.G. POULOS.....	3
Land Subsidence and Negative Skin Friction in Piles by P. KARASUDHI and P. POONSAWAT.....	21
Behaviour of Model Batter Piles in Soft Clays Under Lateral Loads by S. NARASIMHA RAO, C. VEERESH and G.V.S. SHANKARANARAYANA.....	37
Load Transfer Through A Gravel Bed on Stone Column Reinforced Soil by M.R. MADHAV and W.F. VAN IMPE.....	47
A Comparison of the Cyclic Pullout Behaviour of Model Plate and Pile Anchors in Soft Clay by M. DATTA, S.K. GULHATI and N.U. KHAN.....	63
Geotechnical Properties of the Cohesive Sungshan Deposits, Taipei by C.T. CHIN, J.H.A. CROOKS and Z.C. MOH.....	77

Papers_1995

Main Papers:

Improvement of Plasticity and Swelling Potential of Calcareous Expansive Clays by S.N. ABDULJAUWAD.....	3
Effect of Tail Void Closure on Ground Movement During Shield Tunnelling in Sandy Soil by C.Y. OU and J.C. CHERNG.....	17
Soil Particle Migration through Slots in Drains, Part I - Unidirectional Flows by B. TAHAR and T.H. HANNA.....	33
Soil Particle Migration through Slots in Drains, Part II - Reversing Flows by B. TAHAR and T.H. HANNA.....	51
Strength Characteristics of Sabkha Soils by O.S.B. AL-AMOUDI and S.N. ABDULJAUWAD.....	73
Effect of Bitumen Content and Curing Condition on Strength Characteristics of Asphalt Stabilized Soils by A.A. BASMA, A.S. AL-HOMOUD, T.S. KHEDAYWI and A.M. AL-AJLOUNI.....	93
Discussion by S.B. TAN and T.K. LIM.....	105
Paper Entitled "Hyperbolic Method for Evaluation of Settlement of Ground Pretreated by Drains and Surcharge" by S.A. Tan, Geotechnical Engineering, Vol. 25, No. 1, June 1994	

Main Papers:

Statistical Modelling of Randomly Distributed Fibre-Reinforced Sand by G. RANJAN, R.M. VASAN and H.D. CHARAN	3
Cation Exchange Studies on a Lime Treated Marine Clay by G. RAJASEKARAN and S. NARASIMHA RAO	19
The Simple Pile Load Tests and Its Application by I.M. LEE, M.W. LEE, J.H. LEE and S.W. PAIK	37
Soil Pipe Effects on Pore Pressure Redistribution in Low Permeability Soils by J.J. McDONNELL and M. TARATOOT	53

Closure Discussion:

Hyperbolic Method for Evaluation of Settlement of Ground Pretreated by Drains and Surcharge by S.A. TAN	63
---	----

Papers_1996

Main Papers:

Compressibility and Flow Parameters from PVD Improved Soft Bangkok Clay by D.T. Bergado, P.V. Long and A.S. Balasubramaniam	1
Interactive Behavior of Cylindrical Anchors in Dense Sand by H.J. Liao, J.K. Chen and S.C. Shu	21
Analysis and Design of a Tied Back-To-Back Geosynthetic Reinforced Soil Wall by S.C.R. Lo, S.Q. Li, M. Gopalan and Z. Gao	37
Case Studies of Rock-Socketed Piles by C.F. Leung	51
Effects of Slip Between a Pile and Surrounding Soil on Negative Skin Friction by P. Karasudhi, A.C. Wijeyewickrema and S. Katawaethwarag	69

Book Review:

Soft Ground Improvement in Lowlands and Other Environment by D.T. Bergado, L.R. Anderson, N. Miura, and A.S. Balasubramaniam	83
---	----

Errata:

Cation Exchange Studies on a Lime Treated Marine Clay by G. Rajasekaran and S. Narasimha Rao, Geotechnical Engineering, Vol. 26, No. 2, December 1995	85
---	----

Main Papers:

Behavior of Soft Soils Under Undrained Cyclic Loading with Initial Shear Stress by A. Sakai, L. Samang and N. Miura	1
On Factors Influencing Electro-Osmotic Consolidation by J.Q. Shang, K.Y. Lo and K.M. Huang	23
Swelling Characteristics of Lime-Treated Expansive Soils by A.I. Al-Mhaidib and M.A. Al-Shamrani.....	37
Strength Parameters of Residual Soils and Application to Stability Analysis of Anchored Slopes by R. Nithiaraj, W.H. Ting and A.S. Balasubramaniam.....	55
Consolidation Settlement of Rafts Supported by Stone Columns by H.B. Poorooshasp and G.G. Meyerhof.....	83

Papers_1997

Main Papers:

Evaluation and Analysis of Flexible Pavement Structures Designed by Conventional Methods <i>by J.S. Chen and R.A. Bhatti</i>	1
Piles Subjected to Negative Friction: A Procedure for Design <i>by H.G. Poulos</i>	23
Cyclic Response of Axially Loaded Piles in Clay <i>by H.D. Lin and G.Z. Xia</i>	45
Comparison Between Methods of Slices and Method of Wedges in Slope Stability Analysis <i>by Y.M. Cheng</i>	71
Engineering Behavior of Cement-Treated Bangkok Soft Clay <i>by K. Uddin, A.S. Balasubramaniam, and D.T. Bergado</i>	89

Main Papers:

Use of the Modified Hyperbolic Model in Excavation Analysis Under Undrained Condition <i>by P.G. Hsieh and C.Y. Ou</i>	123
Cavity Effect on Stability of Strip Footing in Two-Layer Soils <i>by G. Azam, M. Jao, and M.C. Wang</i>	151
Studies on Groups of Stone Columns in Soft Clays <i>by N.S. Rao, K.M. Reddy, and P.H. Kumar</i>	165
Development of a Fully Digitized Triaxial Apparatus for Testing Soils and Soft Rocks <i>by S. Shibuya and T. Mitachi</i>	183
Critical State Models and their Comparison with Triaxial Behavior of Soft Bangkok Clay <i>by S.R. Kim, D.G. Lin, D.T. Bergado, and A.S. Balasubramaniam</i>	209
Finite Element Analysis of Embankment Failure on Soft Bangkok Subsoil <i>by J.C. Chai, N. Miura, D.T. Bergado, and P.V. Long</i>	249

Discussion:

Piles Subjected to Negative Friction: A Procedure for Design <i>by B.H. Fellenius. Closure by Author</i>	277
---	-----

Paper_1998

X-Ray Diffraction and Microstructural Studies of Lime-Marine Clay Reaction Products <i>by G. Rajasekaran and S.N. Rao</i>	1
Strength and Stiffness of Hong Kong Marine Deposits Mixed with Cement <i>by J.H. Yin and C.K. Lai</i>	29
Hyperbolic Model Parameters for Mechanical Behavior of Reclamation Soils <i>by L.K. Chien and Y.N. Oh</i>	45
A Simple Analysis of Piles in Raft Foundations <i>by C. Anagnostopoulos and M. Georgiadis</i>	71
Rock Slope Stabilization Along Railroad at Fushun Mine <i>by M.S. Wang, X.L. Wu and M.C. Wang</i>	85
PVD Improvement of Soft Bangkok Clay with Combined Vacuum and Reduced Sand Embankment Preloading <i>by D.T. Bergado, J.C. Chai, N. Miura and A.S. Balasubramaniam</i>	95
On Large Scale Laboratory Pullout Testing <i>by D.M. Raju, S.C.R. Lo, Gopalan M. and J. Gao</i>	123
Influence Factors on the Shear Modulus and Damping of Reclaimed Soil <i>by L.K. Chien, G.L. Yeh and Y.N. Oh</i>	157
Electro-Osmotic Consolidation Behavior of Two Ontario Clays <i>by J.Q. Shang and S. Ho</i>	181
Approximate Closed-Form Solution for Non-linear Model of Geosynthetic-Reinforced Foundation Soils <i>by J.H. Yin</i>	195
Consolidation of Ground with Partially Penetrated Vertical Drains <i>by X.W. Tang and K. Onitsuka</i>	209
Laboratory Measurements of Small Strain Stiffness of Granitic Saprolites <i>by C.W.W. Ng, Y.F. Sun and K.M. Lee</i>	233

Papers_1999

Main Papers:

Swelling and Compressibility Characteristics of Compacted Sand-Bentonite Mixtures by H.A. Alawaji	1
Pile Bearing Capacity Determination by High-Strain Stress Wave Methods by J-X. Yuan, J-H. Yin and M-G. Liu	13
Analysis of Pile Subjected to Cyclic Lateral Loading by V.A. Sawant and D.M. Dekaikar	25
Using Geotechnical Database for Modelling Spatial Variability of Soil Properties by X-X. Li and S. Hayashi	41

Technical Note:

Liquefaction Resistance of Volcanic Soil from Mount Pinatubo in the Philippines by S. Shibuya, S. Yamashita and D. Widianto	59
--	----

Main Papers:

Effects of Using Electro-Conductive PVD in the Consolidation of Reconstituted Ariake Clay by H.O. Abiera, N. Miura, D.T. Bergado, and T. Nomura	67
Deformation Characteristics of Subgrade Soils Under Repeated Loading by Y. Qiu, N.D. Dennis, and R.P. Elliott	85
Re-evaluation of Sarma's Method in Slope Stability Analysis by M.R. Selamat	99
Deformation and Stability of Unreinforced and Reinforced Embankment on Soft Clay by W. Sae-Tia, M. Kouda, and O. Kusakabe	113
Geotechnical Characteristics of Fly Ash - Soil Mixtures by S.R. Kaniraj and V.G. Havanagi	129

Discussion:

Approximate Closed-Form Solution for a Non-linear Model of Geosynthetic-Reinforced Foundation Soils by C. Gosh, K. Yasuhara, and S. Murakami. Closure by Author	149
---	-----

Main Papers:

The Failure Behaviour of Over-Consolidated Soils by W.H. Ting	153
Comparison of Estimated and Measured V_s Profile for Bangkok, Thailand by S.A. Ashford, and W. Jakrapiyawan	167
Generalization of Three-Moduli Incremental Non-Linear Constitutive Models for Soils by J.H. Yin	183
Evaluation of Full Scale Embankment with Hexagonal Wire Mesh Reinforcement with Additional Surcharge by P. Voottipruex and D.T. Bergado	201

Stress Distribution in Subgrade Soils and Applications in the Design of Flexible Pavements <i>by Y. Qiu, N.D. Dennis and R.P. Elliott</i>	221
--	-----

Technical Note:

Study on Under-Reamed Piles in Cohesionless Soil Under Tension <i>by B.M. Gangadharappa, A.V.P. Kumar and Yagi</i>	235
---	-----