



09:00 **Opening Ceremony**

09:15 **Keynote Lecture 1 (Chair: to be appointed)**
Ground Improvement – Principles and Applications in Asia
V R Raju, Singapore

09:45 **Keynote Lecture 2 (Chair: to be appointed)**
Soft Soil Foundation improved by Vacuum and Surcharge Preloading at Ballina Bypass, Australia
B Indraratna, Australia

10:15 **Tea Break & Exhibition**

10:45 – 12:15 Parallel Technical Sessions (Each paper has 10 minutes oral presentation plus short discussion)

Session 1 (Topic: Case Histories Involving Major Projects) Ballroom 1	Session 2 (Topic: Laboratory & Centrifuge Modelling) Ballroom 2
<p>Chair: (To be appointed)</p> <p><i>Consolidation Control of Improved Reclaimed Clay Ground by Cone Penetration Test</i> M. Katagiri, Japan</p> <p><i>Jet Grouting and its Application</i> V. Ganeshan, Singapore</p> <p><i>Explosive Compaction of Granular soils and In Situ Liquefaction Testing Using Sequential Detonation of Explosives</i> W. Blair Gohl, Canada</p> <p><i>An Execution of Stabilised Surface Layer on very Soft Ground by Pneumatic Flow Mixing Method</i> Y. Okubo, Japan</p> <p><i>Ground Improvement Techniques for East Coast Expressway Phase 2, Malaysia</i> C.G. Chua, Malaysia</p> <p><i>Reclamation Execution Utilizing Cement Treated Soil by the Pipe Mixing Method</i> H. Shinsha, Japan</p> <p><i>Ground Improvement for deep Excavation of City Square Mall</i> Tian Hai, Singapore</p>	<p>Chair: (To be appointed)</p> <p><i>Characterization and Effective Utilization of Coal Ash as Soil Stabilization on Road Application</i> Ahmad Rifa' I, Indonesia</p> <p><i>Approach to Characterization of Cyclic Behaviour of Artificially Bounded Soils</i> Rios Silva S, Portugal</p> <p><i>Effectiveness of Cement Kiln Dusts in Stabilizing Expansive Clay</i> Pranshoo Solanki, USA</p> <p><i>Development of Yield Locus by Ageing of Cement-Mixed Soil in Drained Triaxial Compression</i> Ezaoui A, Japan</p> <p><i>Internal Erosional Behaviour of Lignosulfonate Treated Dispersive Clay</i> Jayan S. Vinod, Australia</p> <p><i>Experimental Study of Engineering Behaviour of Fibrous Peat Soil Reinforced by Cement Column</i> Sina Kazemian, Malaysia</p> <p><i>Deformation Behaviour of Soil under Vacuum Consolidation</i> Robinson R.G., India</p>



12:15 **Lunch & Exhibition**

13:15 **Keynote Lecture 3 (Chair: to be appointed)**
Formulation of a Concept And Realistic Soil Parameters For The Foundation Of Randomly Located Structures On A Mega Scaled Project
S Varaksin, France

13:45 **Keynote Lecture 4 (Chair: to be appointed)**
New Composite Foundation Techniques For Soil Improvement In China
H L Liu, China

14:15 – 15:30 Parallel Technical Sessions (Each paper has 10 minutes oral presentation plus short discussion)

Session 3 (Topic: Design and Analytical Methods) Ballroom 1	Session 4 (Topic: Instrumentation and Monitoring) Ballroom 2
<p>Chair: (To be appointed)</p> <p><i>Finite Element Analysis of Consolidation of Soil under Surcharge and Vacuum Preloading</i> Yan Shuwang, China</p> <p><i>Improving Embankment Construction Efficiency by Increasing the Lift Thickness</i> Adachi Talkayuki, Japan</p> <p>Creep Effect on Response of Granular Pile Reinforced Ground M.R. Madhav, India</p> <p><i>In-Situ Study on Stress Distribution of Foundation Improved by Y-Section Pile</i> Wang Xin-quan, China</p> <p><i>Innovative Finite Element Model for Analysis of Soil Reinforcements</i> Liu Kao Xue, Singapore</p>	<p>Chair: (To be appointed)</p> <p><i>Evaluation of Earth Pressure Measurement in Three Iranian Embankment Dams</i> Ali A. Mirghasemi, Iran</p> <p><i>Soil Improvement using Vibroflotation Close to Buried Structures</i> Chua Tong Seng, Singapore</p> <p><i>Advanced Geotechnical Monitoring of Prefabricated Vertical Drains (PVDs) in Soft clay</i> V Bennett, Australia</p> <p><i>Long Term Field Monitoring of Chemically Stabilized Sand with Grouting</i> Hirokazu Akagi, Japan</p> <p><i>Faster and More Reliable Data Processing for Inclinator Reading by Wireless Technology</i> Guan-Hong Tan, Singapore</p> <p><i>Comprehensive Site Investigation and Construction Monitoring for Tank Farms on Improved Ground</i> Jonathan D., Singapore</p>

15:30 **Tea Break & Exhibition**

16:00 – 17:30 Parallel Technical Sessions (Each paper has 10 minutes oral presentation plus short discussion)

Session 5 (Topic: Design and Analytical Methods) Ballroom 1	Session 6 (Topic: Case Histories) Ballroom 2
<p>Chair: (To be appointed)</p> <p><i>Settlement Response of Strip Footings Resting on Reinforced Elastic Foundation</i> Arindam Dey, India</p> <p><i>Analytical Solution on Vertical Dynamic Responses of PCC Piles in Soft Soil</i> Ding Xuan-ming, China</p> <p><i>Behaviour of Lattice Type Ground Improvement by Cement-Mixing for Liquefaction Mitigation</i> Koseki J., Japan</p> <p><i>Pullout and Large Scale Direct Shear Test of Tire Derived Geomaterial Reinforced with Geogrid</i> T. Tanchaisawat, Thailand</p> <p><i>Settlement of Soft Clay with Prefabricated Vertical Drains</i> A.K.Sinha, India</p> <p><i>Analysis of Stress Distribution in Large Diameter Concrete Pipe Pile Supported Embankment</i> Bo ZHANG, Singapore</p>	<p>Chair: (To be appointed)</p> <p><i>Case Study of Ground Improvement Techniques used on a Coal Export Terminal Development in Newcastle, Australia</i> Chua Chin Hiang, Australia</p> <p><i>A Case Study: Land Slide Treatment carried out in Murree, Pakistan, during the Last Decade</i> M.A. Kamal, Pakistan</p> <p><i>Case Histories on Design and Construction of Jet Grouted Ground for Trenchless Projects</i> James Kwong, USA</p> <p><i>Vibro Replacement Columns for Shipyard Infrastructure at Pipavav, Gujarat, India</i> Deepak Raj, India</p> <p><i>Successful Application of Vacuum Consolidation Method at Port of Brisbane</i> Daniel Berthier, Australia</p> <p><i>Case Studies on Ground Freezing in Taipei</i> Chien Min Wu, Taiwan</p> <p><i>Foundation Works for a Sewage Treatment Plant Using Ground Improvement Methods in Malaysia</i> Y.W. Yee, Malaysia</p>

17:30 **End of 1st Day**

ISGI09 TECHNICAL SESSION

(Thursday, 10 December 2009)



- 09:00** **Keynote Lecture 5 (Chair: to be appointed)**
Ground Improvement in Tokyo/Haneda International Airport Expansion Project
Dr M Kitazume, Japan
- 09:30** **Keynote Lecture 6 (Chair: to be appointed)**
Rehabilitation and Reinforcement of Marina EXPO Breakwaters
Dr S Pinto, Portugal
- 10:00** **Tea Break & Exhibition**

10:30 – 12:15 Parallel Technical Sessions (Each paper has 10 minutes oral presentation plus short discussion)

Session 7 (Topic: Recent Development) Ballroom 1	Session 8 (Topic: Laboratory and Centrifuge Modelling) Ballroom 2
<p>Chair: (To be appointed)</p> <p><i>The Rehabilitation of Drainage Canal Embankment</i> Thanadol Kongsomboon, Thailand</p> <p><i>Mechanism of Cross Jet and its Application</i> <i>Grouting</i> Kunio Saito, Japan</p> <p><i>Use of Waste Streams and Microbes for in situ</i> <i>Transformation of Sand into Sandstone</i> Wouter R.L van der Star, Holland</p> <p><i>Development of the Gravel Cement Compaction</i> <i>Pile Method</i> Hirochika Hayashi, Japan</p> <p><i>Cutter Mixing CSM - A Innovative Solution for</i> <i>Retaining Walls and Foundations</i> Manfred Schopf, Germany</p> <p><i>In-situ Test on Desaturation by Air Injection and its</i> <i>Monitoring</i> Mitsu Okamura, Japan</p> <p><i>BioScaling: An Innovative Method for in situ</i> <i>Sealing of Leakages</i> Maaik Blauw, Holland</p> <p><i>Improvement of Soil Deposits by Curved Grouting</i> Hiroshi Yoshida, Japan</p>	<p>Chair: (To be appointed)</p> <p><i>Dehydration and Strength Properties of Cement-</i> <i>Mixed Soils with a Mechanical Dehydration</i> Kiyonobu Kasama, Japan</p> <p><i>Centrifuge Modeling Pile-Supported Earth Platforms</i> <i>with Non-Uniform Cement-Soil Mixing Piles</i> Maosong Huang, China</p> <p><i>Amelioration of Expansive Clay Sub-Grades with</i> <i>Stabilized Fly Ash Cushions</i> A.Sreerama Rao, India</p> <p><i>Shaking Table Test on the Dynamic Earth Pressure</i> <i>against Retaining Structure</i> Kiyonobu Kasama, Japan</p> <p><i>Mechanisms of Sulfate Heave Prevention in Lime</i> <i>Stabilised Clays through Pozzolanic Additions</i> Michael J McCarthy, United Kingdom</p> <p><i>Experimental Study on At-Bottom Vacuum</i> <i>Preloading Method for Soft Soil Improvement</i> Vu Manh Quynh, Vietnam</p> <p><i>Effect of Soil Stress State on Mechanisms of TGC</i> <i>Grouting</i> Adel M. El-Kelesh, Japan</p> <p><i>Effect of Smear on Load Capacity of Sand</i> <i>Compaction Piles</i> Juneja A., India</p>

ISGI09 TECHNICAL SESSION

(Thursday, 10 December 2009)



12:15 **Lunch & Exhibition**

13:15 **Keynote Lecture 7 (Chair: To be appointed)**
Behavior of Deep Cement Mixing (DCM) and Stiffened Deep Cement Mixing (SDCM) Piles under Full Scale Tests and Embankment Loading
Dr D T Bergado, Thailand

13:45 **Keynote Lecture 8 (Chair: To be appointed)**
The Performance of Soil Nailed Systems
Dr M C R Davies, New Zealand

14:15 – 15:30 Parallel Technical Sessions (Each paper has 10 minutes oral presentation plus short discussion)

Session 9 (Topic: Variability/Quality Control) Ballroom 1	Session 10 (Topic: Case Histories) Ballroom 2
<p>Chair: (To be appointed)</p> <p><i>Numerical Limit Analysis on the Seismic Bearing Capacity on Anti-Liquefaction Ground</i> Jun Kutsuna, Japan</p> <p><i>Numerical Study of Effects of Spatial Variability on Cement-Treated Column Strength</i> Namikawa T, Japan</p> <p><i>Application of Settlement Rate Method in Hangpu Expressway</i> C C Gu, China</p> <p><i>Study on a Liquefaction Countermeasure for Flume Structure by Sheet-Pile with Drain</i> Kazutaka Otsushi, Japan</p> <p><i>Performance Based Design (PBD) of Liquefaction Countermeasure for Kisogawa Water Channel</i> Takashi Hara, Japan</p> <p><i>Quality Assurance of Cement Treated Soil by Wet Grab Sampler</i> Masaki Kitazume, Japan</p>	<p>Chair: (To be appointed)</p> <p><i>Effective Road Embankment Construction on Fibrous Peat Using Hydraulic Sand-fill</i> Dominic Ong, Malaysia</p> <p><i>Ground Improvement with Vibro Stone Columns - A Case Study from Iran</i> Elahi H, Iran</p> <p><i>Green Technology for Sustainable Foundation Treatment of a High Embankment</i> Kenny Yee, Malaysia</p> <p><i>Jet Grouting (JGP) for Deep Excavations - The Importance for Quality</i> David Ng, Singapore</p> <p><i>Test and Analysis on Reinforcement Effect of High Vacuum Compact Method in Soft Soil</i> Gu Chang-Cun, China</p> <p><i>Design and Performance of a Trial Embankment on Deep Soft Ground near Brisbane Airport, Australia</i> Daiquan Yang, Australia</p>

15:30 Tea Break & Exhibition

16:00 – 17:30 Parallel Technical Sessions (Each paper has 10 minutes oral presentation plus short discussion)

Session 11 (Other Topics) Ballroom 1	Session 12 (Special Topic on Ground Improvement using Geosynthetics, Supported by International Geosynthetics Society, Southeast Asia Chapter)
<p>Chair: (To be appointed)</p> <p><i>Effect of Carbon Storage due to Ground Improvement by Log Piling</i> Atsunori Numata, Japan</p> <p><i>Shear Strength Parameters of Scrap Tire Crumbs Reinforced with Scrap Tire Chips</i> Mohammadreza Mahmoudipour, Iran</p> <p><i>Construction on Sabkha Soil</i> Mohamed M. Shahin, Libya</p> <p><i>Jet Grouting to Improve Tunnel Stability</i> Vahed Ghiasi, Malaysia</p> <p><i>Electroosmotic Phenomena in Tropical Peat</i> Afshin Asadi, Malaysia</p> <p><i>Evaluation of Stabilization Effect of the "T" shaped Deep Mixing Column from SCPTU Data</i> Cai Guo-Jun, China</p> <p><i>Soil and Waste Treatment using Biocement</i> Jie HE, Singapore</p>	<p>Chair: (To be appointed)</p> <p><i>Special Lecture: Innovative Geosynthetics Applications to Ground Improvement in Southeast Asia</i> Chew S.H., Singapore</p> <p><i>Behavior of Geosyntheics Reinforced Wall Subject to Blast</i> Tan H. W., Singapore</p> <p><i>Case Studies on Slope Reinforcement of a Raised Small Dam and a 30m High Steep Slope</i> Dominic Ong, Malaysia</p> <p><i>Classification of Geotubes and Related Analysis Methods</i> Wei GUO, Singapore</p> <p><i>Bioengineering and Geosynthetics Treatments for Slope Improvement</i> Albert L., Malaysia</p> <p><i>PVD Enhancement with Vacuum Pressure for Soft Bangkok Clay Improvement</i> Jaturonk Saowapakpiboon, Thailand</p>

19:00 Conference Dinner Banquet cum GeoSS AGM

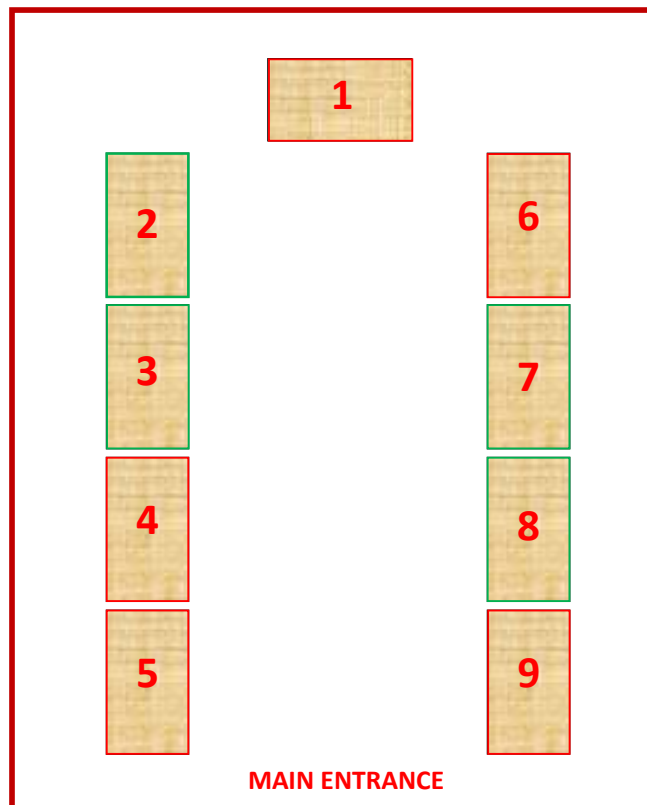
Closing Ceremony

EXHIBITION INFORMATION



The exhibition hall is located in the Venus 1 Hall, 1st floor. It will be open from 9:00 to 17:30 hrs on 9 and 10 of December 2009.

COMPANY	BOOTH NO.
Keller Foundations (S.E.Asia) Pte Ltd	1
Libherr-Singapore Pte Ltd	2
Zhao Yang Geotechnic Pte Ltd	3
Soilmec Far East Pte Ltd	4
Ryobi-Kiso (S) Pte Ltd	5
Cofra B.V	6
BAUER Technologies Far East Pte Ltd	7
Wicks	8
Menard Geosystems Singapore Pte Ltd	9



Venue 1 Hall (Not to scale)