

PROGRAM OF PARALLEL SESSIONS

Date	Time	Session 1: Ground Improvement & Stabilization 1 Venue: Selangor 1 Chairman: Prof. Buddhima Indraratna Co-chairman: Ir. Cehan Sin Chen	Session 2: Field Testing & Performance Monitoring 1 Venue: Selangor 2 Chairman: Prof. Paulus P. Rahardjo Co-chairwoman: Ir. Raftah binti Mahfar	Session 3: Excavation & Retaining Structures 1 Venue: Selangor 3 Chairman: Dr. Siu-Mun Woo Co-chairman: Ir. S. Chandrasegaran s/o Sundararaju	Session 4: TC217 Land Reclamation Venue: Melati 4 Chairman: Prof. Jian Chu Co-chairman: Dr. Jia He
31 May 2016 (Tuesday)	1.40pm - 1.55pm	A Case Study of Use of PVD in Dynamic Consolidation Treatment of Soft Soils <i>By E.C. Lee, N. Narendranathan, R. Dalugoda, Q.N. Rusli & K. Ayemin</i>	3D Measurement for Drilling Alignment of Jet Grouting in Silty Sand <i>By H.J. Liao, C.L. Chiu, S.H. Cheng & R.K.N. Wong</i>	3D Finite Element Analysis of a Deep Excavation Considering the Effect of Anisotropic Wall Stiffness <i>By K.H. Law, Zubaidah Ismail & Roslan Hashim</i>	Chinese Technical Code for Ground Improvement for Land Reclaimed Using Hydraulic Fills: An Introduction <i>By H. Liu & Y. Shen</i>
	1.55pm - 2.10pm	Challenges of an Earthwork Control and Planning for the Redevelopment of an Existing Golf Course <i>By T.A. Ooi, K.H. Ngiam, Y.G. Tan & S. Low</i>	Acoustic Borehole Televiewer - Raising the Bar in Geotechnical Site Investigation <i>By Rien Corstanje & P. K. Choong</i>	A Retaining Wall Failure in Malaysia Soft Coastal Marine Clay <i>By J.T. Chin</i>	Port of Brisbane – Reclamation Using Dredged Mud and Ground Improvement <i>By J. Ameratunga, N. Honeyfield, K. Dissanayake & Z. Ng</i>
	2.10pm - 2.25pm	Deep Compaction in Sand with Carbonate Content <i>By K. Yee & S. Varaksin</i>	Advanced Soil Testing and Its Practical Use in the Design of Cut and Cover Excavation in Singapore Old Alluvium <i>By M. Angeles, J. Davies & C. Veeresh</i>	Press-In Anchor Caisson Shaft in Taiwan <i>By K. Li, M.H. Lin, C.S. Chang & Y.J. Hsu</i>	Impact of Various Assessment Procedures on Liquefaction Potential in Reclaimed Soil in the Pearl Jumeira Project in Dubai <i>By Marwan Alzaylaie & Aly Abdelaziz</i>
	2.25pm - 2.40pm	Application of Controlled Modulus Columns for Refinery and Petrochemical Tank Farm <i>By F. Leclaire, Y. Bourgoïn, R. Ong & J. Racinais</i>	Determining Bedrock Levels with Seismic Refraction Tomography Survey and MASW Seismic Survey <i>By M. Tungka & C.L. Kong</i>	Construction of Underground Containment Structure Using Precast Concrete Sheet Pile <i>By C.Y. Ong, K.K. Choong & M.A. Mohamad Ismail</i>	Jakarta Land Subsidence and Alternative Counter Measures <i>By Andi KS. Kartawiria & Masyhur Irsyam</i>
	2.40pm - 2.55pm	Centrifuge Model Tests on Deep Mixing Columns Reinforced by a Stabilized Shallow Mixing Beneath an Embankment <i>By B. Nguyen, T. Takeyama & M. Kitazume</i>	Estimation of Shear Modulus at Small Strain of Peat, Organic Clay and Inorganic Clay Using In-situ Testing <i>By H. Hayashi, T. Hayashi & H. Hashimoto</i>	Design and Construction Considerations for Large Diameter Cofferdam of Common Services Tunnel in Marina Bay, Singapore <i>By Y.E. Loh, T.G. Ng & I. Yogarajah</i>	A Pilot Test on Use of Clay Slurry to Form a Sealing Cap for Vacuum Preloading <i>By W. Guo, L.Q. Sun, J. Chu, S.W. Yan & J.F. Hou</i>
	2.55pm - 3.10pm	A Novel Grouting Process for the Reinforcement of Low Permeability Soils with the Use of Biocementation by Biocalcis <i>By Annette Esnault Filet, Ira Gutjahr, Jean-François Mosser, Leslie Sapin & Khalil Ibrahim</i>	Load Tests on Vibro Stone Columns in Various Soil Conditions <i>By J. Daramalinggam & P.V.S.R. Prasad</i>	Design and Construction of Earth Retaining System for Drainage and Canal Upgrading Project in Singapore <i>By S.Y.H. Low, D.C.C. Ng, V.C.W. Ong & Y.U. Chin</i>	Settlement Behaviour of Flocculant Amended Slurry Fill for Land Reclamation <i>By J. He & J. Chu</i>
	3.10pm - 3.25pm	A Laboratory Investigation of Settlement and Moisture Variation for Jute Vertical Drain <i>By T.N. Dave, V.N. Nagi, A.V. Shukla & C.D. Kumawat</i>	Load Test Performance of Bored Pile with Distributed Fibre Optic Strain Sensing <i>By B.P. Tee, H. Mohamad, K.A. Ang & M.F. Chong</i>	Effect of Equivalent Wall Permeability on Groundwater Table in a Deep Excavation Project <i>By E.E. M. Chong & D.E.L. Ong</i>	

Date	Time	Session 5: Ground Improvement & Stabilization 2 Venue: Selangor 1 Chairman: Dr. V.R. Raju Co-chairman: Richard Tiam Hwa Ong	Session 6: Field Testing & Performance Monitoring 2 Venue: Selangor 2 Chairman: Ir. Dr. Lean Hock Ooi Co-chairman: Ir. Yin Hoe Ong	Session 7: Excavation & Retaining Structures 2 Venue: Selangor 3 Chairman: Dr. Dariusz Wanatowski Co-chairman: Ir. Dr. Kim Hing Law	
31 May 2016 (Tuesday)	3.55pm - 4.10pm	Design and Performance of Ground Improvement for a Ship Hull Workshop in Singapore <i>By Z.W. He, E. Lin, K.W. Leong & V.R. Raju</i>	Maintained Load Test and Bi-Directional Static Load Test on Bored Piles <i>By M.L. Lee, K.N. Wong, C.W. Chin & Y. Tanaka</i>	Diaphragm Wall Design Challenges in 33m Deep Excavation Work Congested Urban Site in Kuala Lumpur <i>By F. Cheah, W.K. Mak & K.H. Law</i>	
	4.10pm - 4.25pm	Experimental Study on the Durability of Soil-Cement Columns in Coastal Areas <i>By Pham Van Ngoc, Brett Turner, Jinsong Huang & Richard Kelly</i>	Building Responses due to Dewatering of an Abandoned 7 m Deep Excavation Pit <i>By L.T. Ng, D.E.L. Ong & W.S.H. Wong</i>	Use of Pressure Relief Wells to Check Ground Improvement Tensile Strains in Deep Excavations <i>By Gerardo Agustin Pittaro</i>	
	4.25pm - 4.40pm	Ground Improvement by Dynamic Replacement – A Case Study <i>By N. Thayalan & S. Iyathurai</i>	Distribution of Residual Forces in Jacked Open-ended PHC Pile <i>By H. Kou, J. Chu, W. Guo & M. Zhang</i>	Investigation of Creeping Slope Movements of a Suspected Colluvium Deposit <i>By S.S. Liew, K.S. Koo, F.W. Chee & C.N. Tiong</i>	
	4.40pm - 4.55pm	An Innovative Approach for the Foundation of an Oil Tank Farm on Difficult Soils <i>By E.C. Lee & N. Narendranathan</i>	Planning and Interpretation of Instrumented Lateral Pile Test Performance with a Semi Restrained Pile Head Condition <i>By S.S. Liew, K.S. Koo, F.W. Chee & P.Y. Tan</i>	Numerical Study on Buttress Wall Configuration to Limit Deformations Induced by Braced Excavation <i>By A. Lim & C.Y. Ou</i>	
	4.55pm - 5.10pm	Ground Improvement Using Wet Speed Mixing Method (WSM) <i>By Senthuran Arulanantham & Indrayogan Yogarajah</i>	Prediction of Rock Shaft Resistance for Bored Piles Socketed Into Malaysia Granite <i>By Andrew Yeow Pow Kwei, Raja Shahrom Nizam Shah bin Raja Shoib & Clare bin Kimduit</i>	Comparative Study on the Behaviour of Diaphragm Wall with and without Ground Improvement <i>By Chandrasegaran & Tamilmani</i>	
	5.10pm - 5.25pm	Ground Improvement via Microbial-Induced Calcite Precipitation Using Push-Pull Injection System <i>By Y.L. Phua, A.I. Omoregie, D.E.L. Ong, L.H. Ngu, P.M. Nissom & I.R. Ginjom</i>	Shaft Resistance of Bored Piles Socketed into Granite and Sandstone <i>By C.S. Chen</i>	Retrospective Study of the Safety Risk Management for A Deep Excavation between Two Running MRT Bored Tunnels <i>By H.C. Chao, J.F. Chang, S.K. Chen, C.Y. Huang, L.C. Ma & W.S. Chang</i>	
	5.25pm - 5.40pm	Grouting in Limestone for KVMRT Tunnel Project in Kuala Lumpur <i>By P. Sreenivas, J.H.K. Chang & P.V.S.R. Prasad</i>	Instrumented Load Test on Bored Cast-in-situ Pile in Kenny Hill Formation <i>By T.A. Ooi & C.M. Khoo</i>	Singapore Case Histories on Omission of Strut by Observation Approach in Circle Line and Down Town Line Projects <i>By D.C.C. Ng & S.Y.H. Low</i>	

Date	Time	Session 8: Ground Improvement & Stabilization 3 Venue: Selangor 1 Chairman: Dr. Pham Van Long Co-chairman: Ir. Peng Tean Sin	Session 9: Geosynthetics & Geo-Products Venue: Selangor 2 Chairman: Prof. Suttisak Sorulump Co-chairman: Wooi Chuan Loh	Session 10: Soil Characterization & Properties 1 Venue: Selangor 3 Chairman: Prof. San-Shyan Lin Co-chairman: Ir. Dr. Victor Chee Wee Ong	Session 11: ATC1 (Geotechnical Mitigation and Adaptation to Climate Change-induced Geo-disasters in Asia-Pacific Regions) & ATC3 (Geotechnology for Natural Hazards) Venue: Melati 4 Chairwoman: Prof. Fauziah Ahmad Co-chairman: Prof. Hemanta Hazarika
1 June 2016 (Wednesday)	12.55pm - 1.10pm	Model Tests of Rolling Dynamic Compaction <i>By P. Rajarathnam, M.S. Masoudian, D.W. Airey & M.B. Jaksa</i>	An Evaluation of HDPE Geomembrane after 10 Years of Service in Thailand <i>By H.B. Ng</i>	Assessment of Soil Characteristics by Screw Driving Sounding <i>By T. Tanaka, N. Suemasa & S. Yamato</i>	1. Application of Soil Cement Column in Shallow Excavation <i>By Ittipon Meepon, Panich Voottipruex & Pitthaya Jamsawang</i>
	1.10pm - 1.25pm	Optimum Use of Flexible Geo-inclusions for Enhancing the Performance of Granular Embankments: Laboratory and Numerical Assessment <i>By Sanjay Nimbalkar & Buddhima Indraratna</i>	Application of Geogrid in Soft Ground in Malaysia <i>By T.A. Ooi, C.H. Tee & C.B. Chan</i>	Comparative Study between Experimental and Estimated SWCC Parameters with Varying Plasticity <i>By S. Abhisekh, S.K. Yamsani, S. Bordoloi & S. Sreedeeep</i>	2. Applying IT Communication Technology in Public Awareness and Education for Reducing Hazard Casualty in South East Asia Countries <i>By S.P. Koay, L.T. Tay, H.Y. Chan, S. Jamaludin, H. Fukuoka, H. Hazarika, N. Sakai & H. Lateh</i>
	1.25pm - 1.40pm	Polyurethane Foam/Resin for Immediate Solution to Ground Repair and Modification <i>By I.B. Mohamed Jais, M.A. Md. Ali & H. Muhamad</i>	Design Considerations and Design Methods for Geosynthetic Tubes <i>By W. Guo, J. Chu & H. Kou</i>	Characterisation of Highly Fractured Rock Mass Using Pressuremeter Test <i>By F. Phangkawira, D.E.L. Ong & C.S. Choo</i>	3. Creep Related Slope Instability in Volcanic Residual Soils <i>By T.T.T. Tran, D. Karnawati, I.G.B. Indrawan, H. Hazarika & D. Ratri</i>
	1.40pm - 1.55pm	Quality Control of a Rigid Inclusion Project for Petrochemical Storage Tanks <i>By B. Thomas, T. Vo, R. Ong & L.Q. Hoang</i>	Effect of Thickness Reduction on Hydraulic Transmissivity of Geonets used in Leachate Collection Systems in Landfills <i>By N. Yarahmadi, I. Gratchev, D.S. Jeng & D. Gibbs</i>	Determination of Retention Ratio by Self-weight Consolidation Test for Dredged Soil <i>By E.C. Shin, J.K. Kang & H.S. Shin</i>	4. Erosivity Index Estimation for Northern Peninsular Malaysia <i>By Zul Azmi Mohtar, Ahmad Shukri Yahaya & Fauziah Ahmad</i>
	1.55pm - 2.10pm	Use of Pressure Relief Wells to Check Ground Improvement Tensile Strains in Deep Excavations <i>By Gerardo Agustin Pittaro</i>	Long Term Performance Evaluation of Two Layered Geosynthetic Filter <i>By Y. Gapak, S.K. Yamsani & S. Sreedeeep</i>	Measurement of Zeta Potential of Expansive Soils <i>By Janardhan Tahasildar & B. Hanumantha Rao</i>	5. Flooding Hazards Caused by Heavy Rain and Land Subsidence in Shanghai, China <i>By Y.Yuan, J.L. Deng, S.L. Shen & Y.S. Xu</i>
	2.10pm - 2.25pm	Stress-Dilatancy Behaviour of Compacted Coalwash as a Landfill Option <i>By A. Heitor, Chazath I. Kaliboullah, B. Indraratna & C. Rujikiatkamjorn</i>	Rehabilitation of Cut Slope Failures Using Geosynthetics in Malaysia <i>By T.A. Ooi, C.H. Tee & C.B. Chan</i>	One Dimensional Consolidation Behaviour of Peat Subjected to Electro-Osmosis Treatment <i>By M.M.S. Hlaing & K.S. Wong</i>	
	2.25pm - 2.40pm	The Evaluation of Stone Column and Jet Grouting Soil Improvement by Conducting a Comprehensive Experimental Program <i>By A. Abadkon & A. Bayraktar</i>	Modelling of Temperature Effects on Elasto-Viscoplastic Behaviours of HDPE Geogrid <i>By T. Chantachot, W. Kongkitkul & F. Tatsuoka</i>	Modeling Stress-Strain and Strength Behavior of Silt-Clay Transition Soils Using Elastoplastic Model for Clay <i>By Chanraksmey Roth & Pongpipat Anantanasakul</i>	

2.40pm - 2.55pm	Soft Soil Stabilisation through Native Vegetation along Rail Corridors <i>By U. Pathirage, B. Indraratna & A. Heitor</i>	Reduction of Static Load on Buried Pipes by EPS Geofoam Inclusions <i>By Ajay Kumar Verma, Maheboobsab B. Nadaf, Sushovan Dutta, Yebeltal Zerie & J.N. Mandal</i>	Development of Bio-Pavers with Microbial Induced Calcite Precipitation Technique Using <i>Sporosarcina Pasteurii</i> <i>By N. Senian, G. Khoshdelnezamiha, A.I. Omoregie, D.E.L. Ong, L.H. Ngu, P.M. Nissom & I.R. Henry-Ginjom</i>
2.55pm - 3.10pm	Some Aspects of Ground Investigation and Ground Improvement for Development on Mangrove Swamp Lands <i>By S. Narendranathan, E.C. Lee, S.N.L. Taib & N. Lowe</i>	Geosynthetics with Combination Functions for Effective Road Subgrade Stabilisation <i>By C.J. Jong, G.Y.T. Tan & S.I.S. The</i>	Port of Brisbane Clay Characteristics and Correlations with Back Analysis Results <i>By Z. Ng, K. Dissanayake, J. Ameratunga & N. Honeyfield</i>
3.10pm - 3.25pm	Long-Term Properties of Air-Foam Treated Lightweight Soil Cured in Seawater <i>By Y. Watabe, Y. Kikuchi & H. Shinsha</i>	Reinstatement of Failed Embankment Using High Strength Woven Geotextile as Basal Reinforcement in Johor, Malaysia <i>By S.N. Pang, R.C.L. Wong & Fazlee Daud</i>	Comparison between Undrained & Drained Condition on Lime-Stabilized Organic Clay with Sodium Chloride <i>By Nor Zurairahetty Mohd Yunus, D. Wanatowski, Aminaton Marto & Siti Norafida Jusoh</i>

Date	Time	Session 12: Design Analysis & Modelling 1 Venue: Selangor 1 Chairman: Prof. Charles W.W. Ng Co-chairman: Ir. Jack Kok Loong Pan	Session 13: Shallow & Deep Foundations 1 Venue: Selangor 2 Chairman: Ir. Dr. Yean Guan Tan Co-chairman: Ir. Dr. Hisham bin Mohamad	Session 14: Soil Characterization & Properties 2 Venue: Selangor 3 Chairman: Ir. Dr. Kian Sin Soo Co-chairwoman: Ir. Sofiana Balkhis Talha	Session 15: ATC1 (Geotechnical Mitigation and Adaptation to Climate Change-induced Geo-disasters in Asia-Pacific Regions) & ATC3 (Geotechnology for Natural Hazards) Venue: Melati 4 Chairwoman: Prof. Fauziah Ahmad Co-chairman: Prof. Hemanta Hazarika
1 June 2016 (Wednesday)	3.55pm - 4.10pm	A Local Earthquake Empirical Model Developed with Limited Local Data Using Maximum Likelihood Estimation <i>By J.P. Wang & Y. Xu</i>	Load Distribution between the Piles and the Raft in a Small Piled Raft Foundation <i>By Rajendra Singh Bisht & A. Juneja</i>	Effect of Variation in Soil Density on the Strength Characteristics of Soil Reinforced with Eichhornia Crassipes Fiber <i>By S. Bordoloi, V. Kashyap, S. Mourya, S.Parmar, S. Sreedeeep & A. Garg</i>	1. Investigation the Performance of Geosynthetic Clay Liners (GCLs) on Shrinkage Behavior <i>By S. Artidteang, N. Pienweij & E. Tamim</i>
	4.10pm - 4.25pm	Establishment of Geotechnical Properties and 3D Numerical Models for Deep Excavation in Central Jakarta <i>By Wahyuning Aila, B.B.C. Hsiung, K.H. Yang, Y.Y. Tsai & K.H. Lin</i>	Case History of Behavior of Piled Raft Foundation Supporting the Tallest Building in Japan Constructed by Top-Down Method <i>By J. Hamada, K. Yamashita & K. Hirakawa</i>	Engineering Control of Saturated Soft Soil Consolidation <i>By F.F. Zekhniev, D.A. Vnukov & A.N. Nikolaev</i>	2. Mapping of Cohesion (c'), Angle of Internal Friction (Φ'), and Soil Type Percentage in Highland Area of Kundasang by Using Kriging <i>By M.R. Taharin, R. Roslee, J.L. Ayog, F. Ahmad & A.S. Yahaya</i>
	4.25pm - 4.40pm	An Analytical Method for Determining the Bearing Capacity of Soil Cement Column Using Jet Grouting Technology <i>By Phung Vinh An, Vu Ba Thao & Nguyen Quoc Dung</i>	Challenges of a Mixed Development in a Cavernous Limestone Formation in Congested Urban Region of Kuala Lumpur <i>By T.A. Ooi, Y.G. Tan & V.W. Pong</i>	Estimation of Overconsolidation Ratio from Piezocone Sounding Results <i>By N. Chanmee, J.C. Chai & T. Hino</i>	3. Prediction of the Soil Liquefaction of an Improved Backfill - A Numerical Simulation <i>By Amizatulhani Abdullah & Hemanta Hazarika</i>
	4.40pm - 4.55pm	Estimation of Liquefaction Hazard for Surat Urban Territory, South Gujarat, India Using Geophysical and Geotechnical Investigations <i>By T.P. Thaker & K.S. Rao</i>	Case Study of Deep Excavation in Existing Underground Structure of Three-Story Basement and Diaphragm Wall <i>By C.J. Kuo, Y.K. Lin, C.S. Huang, J.L. Hung & S.S. Lin</i>	Geotechnical and Pavement Engineering Issues Associated with Reactive Clays <i>By Rusiru Dalugoda, Qusanssori Noor Bin Rusli & Nathan Narendranathan</i>	4. Resilient Breakwater for Protection against Level 2 Tsunami <i>By H. Hazarika, K. Nishimura & B. Chaudhary</i>
	4.55pm - 5.10pm	Modelling Ground Subsidence at An Underground Coal Gasification Site <i>By T.C. Ekneligoda, L.T. Yang, D. Wanatowski, A.M. Marshall & L.R. Stace</i>	LRFD Design Guides for Driven Piles Considering Pile Setup Phenomenon <i>By K. Ng, D. Green, K. Dunker, S. Sriharan & M. Nop</i>	Long-Term Strength Characteristics of the Cement Treated Soil after 30 Years <i>By H. Hashimoto, T. Hayashi & H. Hayashi</i>	5. Probability of Failure of Levees – Results of a Numerical Study Based on Meteorological and Hydrological Data <i>By Alexander Scheuermann</i>
	5.10pm - 5.25pm	Post Construction Deformations of Soil Nailed Walls - Case Studies <i>By Emad Zolqadr & Shahab Yasrebi</i>	Demonstrating Challenges of Driven Piles in Rock Using Two Case Studies in Wyoming, USA <i>By K. Ng & T. Sullivan</i>	Effect of Particle Shapes on Shear Strength during Direct Shear Testing Using GeoPIV Technology <i>By M.I. Peerun, D.E.L. Ong & C.S. Choo</i>	
	5.25pm - 5.40pm	Practical Aspects of Numerical Modelling of Soft Clays Treated with Prefabricated Vertical Drains <i>By H.E. Ali, T. Elkateb, & D. Fernandes</i>	Geotechnical Features of Historical Architectural Monuments of Central Asia <i>By A. Zhussupbekov & A. Issina</i>	Managing Geo Hazards in Infrastructure Projects <i>By S. Setchell, N. Narendranathan & E.C. Lee</i>	

Date	Time	Session 16: Design Analysis & Modelling 2 Venue: Selangor 1 Chairman: Dr. Darren Siau Chen Chian Co-chairwoman: Ir. Loh Yee Eng	Session 17: Shallow & Deep Foundations 2 Venue: Selangor 2 Chairman: Prof. Ikuo Towhata Co-chairman: Ir. Dr. Chang Shin Gue	Session 18: Soil Characterization & Properties 3 Venue: Selangor 3 Chairman: Ir. Peir Tien Lee Co-chairman: Ir. Dr. Saravanan Mariappan	Session 19: TC211 Ground Improvement Venue: Melati 4 Chairman: Serge Varaksin
2 June 2016 (Thursday)	11.25am - 11.40am	Issues Related to Goaf Modelling <i>By Y.G. Derbin, J. Walker, D. Wanatowski & A.M. Marshall</i>	Effects of Batter Piles on the Performance of Pile Group and Piled Raft Foundations in Dry Sand Model Ground <i>By Anh-Tuan Vu, Tatsunori Matsumoto, Ryo Yoshitani & Tuong-Lai Nguyen</i>	Shear Behavior of Sand Reinforced with Human Hair Fiber <i>By Raghvendra Sahu, R. Ayothiraman & G.V. Ramana</i>	1. Development of Deep Soil Mixing Technique for Earth Retention in Malaysia <i>By P.V.S.R. Prasad, Y.W. Yee & V.R. Raju</i> 2. Artificial Ground Freezing to Remediate the Construction of a Shaft of a Water Supply System in Buenos Aires, Argentina <i>By G. Lancellotta, V. Pastore, G. Tonoli, L.G. de Mello, J. Sopko, G.G. Gomes & R. Aradas</i> 3. <i>Lightweight Fill to Reduce Settlement on Bridge Approach Embankments Treated with Vibro Stone Columns</i> <i>By A.Y.L. Chwee & E.G. Balakrishnan</i> 4. Design and Construction of Ground Improvements to Mitigate Liquefaction, a Case History from MacKays to Peka Peka Expressway, New Zealand <i>By P. Robins & T. Pervan</i>
	11.40am - 11.55am	Influence of Geometrical Imperfections on the Behavior of Rigid Soil Reinforcement Columns <i>By C. Bohn, T. Ackermann & U. Trunk</i>	Challenges of Damansara Town Centre Redevelopment <i>By T.A. Ooi, Y.G. Tan & V.W. Pong</i>	Some Geotechnical Properties of Tokai Clay <i>By P.T. Lee, Y.C. Tan, B.L. Lim & R. Nazir</i>	
	11.55am - 12.10pm	The Approach Problem of an Integral Abutment Bridge Subjected to Cyclic Loading due to Temperature Changes <i>By A. Alqarawi, C. Leo, S. Liyanapathirana & S. Ekanayake</i>	Fundamental Experiments on Reinforcement of Bridge Pile Foundations in Thailand Using Sheet Pile Wall <i>By Tanatan Tikanta, Tatsunori Matsumoto, Vu Anh Tuan, Shinya Shimono & Chakree Bamrungwong</i>	The use of Non-Invasive Geophysical Techniques to Build 3-Dimensional Ground Models and Reduce the Cost and Risk of Site Investigation <i>By S. Setchell, Muhammad Azrief bin Azahar, Qusanssori Noor bin Rusli & N. Lowe</i>	
	12.10pm - 12.25pm	Geotechnical Reliability Analysis of Retaining Wall Stability by First-Order Reliability Method <i>By C.W. Shen, P.C. Chi, J. Ching, & Y.G. Hu</i>	Influence of Surging and Jack-in Pile Installation Methods on Pile Performance Observed in Model Load Tests in Dry Sand Ground <i>By S. Moriyasu, H. Meguro, T. Matsumoto, S. Kobayashi & S. Shimono</i>	Strength Characteristic of Geopolymer Made Using Sarawak Fly Ash <i>By H.Y. Leong & D.E.L. Ong</i>	
	12.25pm - 12.40pm	Simplified Method of Fragments Based Two Dimensional Seepage Solution for the Double-Wall Cofferdam <i>By Thushara Madanayaka & Nagaratnam Sivakugan</i>	Load-Settlement Behaviour of Piles in Piled Raft System Derived from Load Testing and Field Monitoring <i>By K. Yamashita, S. Wakai & J. Hamada</i>	Three Dimensional Swelling of Clay Fill Lumps <i>By A.S. Chafale & A. Juneja</i>	
	12.40pm - 12.55pm	Predictions for Seismic Behaviors of Pile Foundations from 3D Dynamic FEM Analysis <i>By D.W. Chang, M.Y. Hong, C.W. Lu & S.S. Lin</i>	Local Construction Practice and Geotechnical Performance of Rock Socketed Bored Pile in Sedimentary Crocker Formation in Sabah <i>By C.J. Wong & S.S. Liew</i>	Consolidation Characteristics of the Upper Part of Nile Delta Deposits of Behira and Gharbia Governorates, Egypt <i>By M.A. Rashed, K.N. Sediek, A.K. Nazir & S.A. Mohsen</i>	

Date	Time	Session 20: Design Analysis & Modelling 3 Venue: Selangor 1 Chairman: Dr. Pintor Tua Simatupang Co-chairman: Ir. E.G. Balakrishnan	Session 21: Shallow & Deep Foundations 3 Session: Slopes, Embankments & Dams Venue: Selangor 2 Chairman: Prof. Hung-Jiun Liao Co-chairman: Choon Heng Tee	Session 22: Tunnelling & Underground Space Development 1 Venue: Selangor 3 Chairman: Dr. Tiong Guan Ng Co-chairman: Ir. Andrew Pow Kwei Yeow	Session 23: TC211 Ground Improvement Venue: Melati 4 Chairman: Serge Varaksin
2 June 2016 (Thursday)	1.55pm - 2.10pm	Back Analysis of Three Contiguous Bored Pile Walls in Residual Soils and Weak Rocks <i>By Y. H. Ong</i>	Development of Construction Method for Steel Pipe Piles Combined with Ground Improvement in Narrow Spaces <i>By K. Watanabe, T. Yamamoto & T. Sudo</i>	Back Analysis of NATM Excavation Performance Using 2-Dimensional FEM <i>By D. Tanaka, T. Matsumoto, T. Otani, K. Sato, K. Kawamoto & S. Kobayashi</i>	1. Optimizing the Relationship between CDC Compaction Induced Settlement Data and the Average CPT Cone Resistance after Compaction <i>By J.W. Dijkstra, T. Laumen & L.A. van Paassen</i> 2. Ground Improvement for Tanks <i>By B. Hamidi & S. Varaksin</i> 3. Recent Advancements in the Application of Vacuum Pressure for Consolidating Soft Soil <i>By Rui Zhong, Buddhima Indraratna & Chalachat Rujikiatkamjorn</i> 4. Twenty Years of CMC Successful Application <i>By J. Racinais, B. Thomas & R. Ong</i>
	2.10pm - 2.25pm	Assessment of Building Responses Adjacent to Deep Excavation Using 3D Simulation <i>By P.H. Dang, Y.M. Hsieh & H.D. Lin</i>	Study on the Behaviour of Pile-Raft Foundation in Cohesive Soil <i>By A. Ambarish Ghosh & B. Rituparna Dey</i>	Control of Inflow of Groundwater into Deep Shafts and Tunnels <i>By L.J. Endicott</i>	
	2.25pm - 2.40pm	Characteristics of PVD Induced Radial Consolidation <i>By Y. Zhou & J. Chai</i>	Influence of Core Thickness on Stability of Downstream Slope of Earth and Rockfill Dams under Steady-State-Seepage <i>By R. Khanna, M. Datta & G.V. Ramana</i>	Design and Construction Consideration of Bored Tunneling in Challenging Bukit Timah Formation for Contract T220 Great World Station and Associated Tunnels <i>By D.C.C. Ng & Z.Y. Liu</i>	
	2.40pm - 2.55pm	Identification of Bangkok Subsoil Parameters for Finite Element Analysis of Excavation and Tunnelling <i>By S. Likitlersuang, S. Yimsiri, C. Surarak, E. Oh & A.S. Balasubramaniam</i>	Nonlinear Pasternak Model for Embankments on Granular Fill over Soft Ground <i>By S.V. Abhishek & M.R. Madhav</i>	Design Charts: Tunnelling-induced Effects on Adjacent Pile Foundation <i>By L.N. Loganathan</i>	
	2.55pm - 3.10pm	Investigating the Importance of Correlation in an Uncertainty Analysis of a Deep Coal Mine Roadway <i>By A.J. Booth, A.M. Marshall, R. Stace & D. Wanatowski</i>	Role of Extendible Basal Reinforcement for Embankment Construction over Soft Soils <i>By S.S. Liew, K.S. Koo & F.W. Chee</i>	Development of Numerical Models to Predict Impact of Additional Loads on Tunnels in Soft Ground <i>By Jinnie Oh & N. Osborne</i>	
	3.10pm - 3.25pm	Design of Floating Stone Column for Treating Soft Soils <i>By Y.S. Sim, Y.W. Yee, D.E.L. Ong & C.F. Leung</i>	Strategy of Staged Construction and Undrained Strength Gain in Soft Soil Engineering – Design Study Exercise <i>By N. Thayalan, P. Andreas & E. TaeWoo</i>	The Challenges of Tunnelling Works in Kuala Lumpur Karsts <i>By L.H. Ooi & T.T. Ha</i>	
	3.25pm - 3.40pm	Design of Foundations on Stone Columns <i>By Karech, A. Noui & T. Bouzid</i>			

Date	Time	Session 24: Design Analysis & Modelling 4 Venue: Selangor 1 Chairman: Ir. Eng Choy Lee	Session 25: Engineering Geology & Rock Mechanics Venue: Selangor 2 Chairman: Boon Kong Tan Co-chairman: Ir. Dr. Dominic Ek Leong Ong	Session 26: Tunnelling & Underground Space Development 2 Venue: Selangor 3 Chairman: Dr. Logan N. Loganathan Co-chairman: Dr. Dazhi Wen	
2 June 2016 (Thursday)	4.10pm - 4.2pm	Application of Dynamic Analysis in Railroad Track Substructure <i>By E.G. Balakrishnan & S. Daramalingam</i>	Another Glimpse of Engineering Geology and Rock Mechanics in Malaysia <i>By B.K. Tan</i>	Development of Reinforced Concrete Segmental Lining Design for MRT Bored Tunnels in Singapore <i>By D. Wen</i>	
	4.25pm - 4.40pm	The Development of a Frictional Jacking Force Model for Nonlinear Soil Behaviour <i>By C.S. Choo & D.E.L. Ong</i>	Empirical Models to Evaluate of “mi” as an Intact Rock Constant in the Hoek-Brown Rock Failure Criterion <i>By Sh. Arshadnejad & N. Nick</i>	Face Stability of Large Diameter SCL Tunnel in Soil in Singapore <i>By L.W. Weng, D. Poh, I. Hiroaki, K.H. Lim & H. Takeshi</i>	
	4.40pm - 4.55pm	Influence of Non Homogeneous Moisture Content on Strength Reduction and Stability of River Bank <i>By S. Khatun, A. Ghosh & D. Sen</i>	Effects of High Temperature on the Mechanical Properties of Sandstone <i>By D. Wanatowski, L.T. Yang, T.C. Ekneligoda, A.M. Marshall & L.R. Stace</i>	UAV-based Laser Scanning Using RiCOPTER with VUX-SYS <i>By C.S. Lim</i>	
	4.55pm - 5.10pm		Rock Slope Failure Mechanism, Hazard and Risk Evaluation and Complying to Authority Requirement <i>By Saravanan Mariappan, Fauziah Hanis Hood & Thurairaj Ananthan</i>	The Electric Cylinder® A Technique for Cavity Detection <i>By P. Frappin & C. Mogenier</i>	
	5.10pm - 5.25pm		Fabrication of Piezoceramic Transducers to Measure Very Small Strain Stiffness in Basalt Rocks <i>By M. Endait & A. Juneja</i>		
	5.25pm - 5.40pm		Assessment of Rock Slope Weathering Based on the Alteration of Photogrammetric Roughness Data <i>By D.H. Kim, I. Gratchev, E. Oh & A.S. Balasubramaniam</i>		