

Draft Program (January 31, 2017)

First Day:

8:00 -9:00 Registration

9:00 -9:30 Opening Ceremony & Presidential Address

Chairmen: Prof KY Yong & Dr. Ooi Teik Aun (Past Chairmen AGSSEA)

Master of Ceremony: Geoff Chao

9:30 -10:00 Coffee Break

10:00 – 12:20 Session Geo-Hazards and Geo-Energy

Chairmen: Prof. Chang Yu Ou & Prof. Dr. Warakorn Mairiang

10:00-10:30 Prof Ikuo Towhata: Earthquake related Geohazards

10:30-11:00 Charles Ng: State-of-the-Art Research in Geo-energy and Geo-Environmental Engineering: Geothermal Pile and Capillary Landfill Cover System

11:00-11:20 Prof. Pedro Pinto The Case of The New Tagus River Leziria Bridge

11:20- 11:40 Paulus Rahadjo: Selected Case Histories on Man Made Slope Failures in Indonesia

11:40-12:00 Prof Tahmeed Al-Hussaini: Seismic Hazard Assessment Procedures - Reflection on Bangladesh

12:00-12:20 Prof Lin Der Guy: Evaluating the Efficiency of Subsurface Drainage for Large Landslides in Taiwan

12:20- 13:30 Lunch

13: 30 – 15: 30 Session Geotechnical Challenge and Geo-Hazards

Chairmen: Dr Chung Tien Chin & Mr. Titi Paveenchana

13:30- 14:00 Prof. K.Y. Yong: 50 years of Geotechnical Challenges in Singapore Infrastructure Development

14:00- 14:30 Dr Noppodol Phienwej: Geotechnical Engineering Practice 1987 – 2016: Selected Topics

14:30-14:50 Prof. Kazuya Yasuhara(Japan): Climate change-induced compound geo-disasters and their adaptation

14:50-15:10 Dr Pham Giao, N. Phien-wej,, P. Nutalaya and Y. Honjo AIT: Bangkok land subsidence and groundwater recovery: to pump or not to pump.

15:10-15:30 Prof Dr. Fauziah Ahmad: The Community Slope Safe Awareness at Bukit Antarabangsa, Kuala Lumpur Malaysia

15:30 -16:00 Coffee Break

16:00 – 18:00 Session Slope Stability

Chairmen: Prof. Fauziah Ahmad & Dr. Apiniti Jotisankasa

16:00- 16:30 Dr Suttisak Soralump: The modeling impact of future climate on stability of slopes

16:30-16:50 Dr Dong Hyun Kim: Applications of image processing to rock slope engineering

16:50-17:10 Prof Hun Jiun Liao: The anchors of anchored slopes in Taiwan

17:10 -17:30 Suksun Horpibulsuk: Sustainable stabilization of problematic soils

17:30-17:50 Dr Geoff Chao, AIT: Evaluation of Factors Influencing Expansive Soil Embankment Slope Failure

17:50 -18:00 Discussion – Session 3

18:00 – 20:00 Reception Dinner

Second Day:

8:45 – 10: 35 Session Foundation

Chairmen: Prof. Suched Likitlersuang & Dr. Darren Chen

8:45-9:15 To be invited

9:15-9:35 Prof San Shyan Lin (AGSSEA Chairman): Finite Element Analysis to Characterize the Lateral Behavior of a Capped Pile Group

9:35-9:55 Hosoi Takeshi : Challenging Technologies of Diaphragm Wall construction

9:55-10:15 Dr. V Balakumar, Min Huang, Erwin Oh & A.S. Balasubramaniam, A Critical and Comparative Study on The 2D and 3D Analyses of Raft and Piled Raft Analyses

10:15-10:35 Prof. Keh-Jian Shou: Trenchless Excavations for Underground Pipelines in Difficult Geology:

10:35-11:00 Coffee Break

11:00 – 12:30 Session Soil Properties

Chairmen:

11:00-11:30 Prof Jian Hua Yin: A New Simplified Hypothesis B Method for Calculating Consolidation Settlements of Multiple Layers of Clayey Soils with Creep

11:30-11:50 Suched, Chanaton Surarak, Dariusz and Erwin Oh: Strength and Stiffness Parameters of Bangkok Clays for Finite Element Analysis?

11:50-12:10 TH Seah: Geotechnical Characterization and Properties of Bangkok Clay

12:10-12:30 Dr Darren Chen (NUS): Optimising cement dosage in ground improvement and early quality control schemes

12:30 – 13:30 Lunch

13:30 – 15:10 Sessions 4 Ground Improvement

Chairmen: Chairmen: Dr. Suttisak Soralump & Prof San Shyan Lin

13:30-14:00 DT Bergado, AS Balasubramaniam and PV Long: Recent developments of soft ground improvements using prefabricated vertical drains (PVD) and deep cement mixing (DCM)

14:00-14:30 Chu Jian: Recent development in land reclamation and related soil improvement works

14:30-14:50 Prof Takenori Hino: Recent Deep Mixing Developments in Saga Prefecture

14:50-15:10 Gouw Tjie-Liong : Case Study on The Application of Geosynthetic Reinforced Soil Slope on A Clay Shales Formation

15:10-15:30 Prof. Chiwan Hsieh: Weaving pattern and lateral confinement effects on the engineering behavior of hexagonal wire mesh panels

15:30 -16:00 Coffee Break

16:00 – 18:00 Session 5 Transportation Geotechnics and Tunneling

Chairmen: Prof. Mistsutaka Sugimoto

16:00-16:30 Prof Buddhima Indraratna & Dr. Cholachat: Recent Developments in Transport Geotechnics

16:30-16:50 C.W. Boon and L.H. Ooi: Recent advances in tunnelling geotechnics: impact assessments

16:50-17:10 Dr Richard Hwang (Taiwan): Deep Excavations & Tunnelling Experience in Taipei.

17:10-17:30 John Endicott: Tunnelling Experiences in Hong Kong

17:30 – 17:50 Prof. Mistsutaka Sugimoto: Recent developments in soft ground tunnelling

18:00- 21:00 Dinner