

**50th Anniversary Symposium of Southeast
Asian Geotechnical Society**

SEAGS

14th – 15th September 2017
AIT Conference Center
Pathumtani, Thailand

Bulletin No. 3



Organized by:

Thai Geotechnical Society (TGS)

Southeast Asian Geotechnical Society (SEAGS)

Association of Geotechnical Societies in Southeast Asia (AGSSEA)

INTRODUCTION

Invitation to all geotechnical specialists from the President of the Thai Geotechnical Society and SEAGS President to attend the SEAGS 50th Anniversary Symposium on 14th-15th September 2017 at the Asian Institute of Technology Campus in Bangkok.

On behalf of the Chairman & Co-chairmen of the above conference, the Organizing Committee & the Advisory Committee, it is a pleasure for us to invite all Geotechnical Specialists to attend the SEAGS 50th Anniversary Symposium on 14th -15th September 2017 at the Asian Institute of Technology Campus in Bangkok.

This symposium is jointly organized by the Thai Geotechnical Society and Southeast Asian Geotechnical Society of ISSMGE. The Advisory Committee is very prestigious with Dr. Za Chieh Moh as Honorary Chairman; Prof. Roger Frank the President of ISSMGE & Prof. A.S.Balasubramaniam, a past-President of SEAGS are the dual Chairmen. Dr. Suttisak Soralump is the President of the Thai Geotechnical Society and Dr. Noppadol Phienwej is the President of SEAGS; Prof. A.S. Balasubramaniam is always working very closely with Dr. Noppadol Phienwej and the SEAGS Secretariat at AIT.

The Symposium consists exclusively of invited papers. There are about 35 distinguished invited lecturers. More details can be found on the Advisory Committee, the Lecture topics, biographies of the lecturers, opening ceremony, session chairmen etc. as contained in the conference website. The Histories of SEAGS and AGSSEA are also contained in this website.

We cordially invite participants from everywhere to the beautiful AIT Campus and the scenic city of Bangkok and Thailand.

***Dr. Suttisak Soralump
Dr. Noppadol Phienwej***

HISTORY

The Southeast Asian Geotechnical Society (SEAGS) was founded in 1967 by Dr. Za-Chieh Moh as a regional society to cover Thailand, Malaysia, Singapore, Philippines, Hong Kong and Taiwan and other societies in Asia at that time where no National Society existed. It has now a membership of over 200. Its members are very active in soil mechanics and foundation engineering, engineering geology, rock mechanics, geo-environmental engineering, and geosynthetic engineering.

The Association of Geotechnical Societies in South-East Asia (AGSSEA) is an enlarged Society of SEAGS and promoted by SEAGS to bring all National Societies of SE Asia under one umbrella. The objectives of the Association shall be the promotion of co-operation among geotechnical societies in SE Asia; and the assistance to member societies who have limited number of members.

Thai Geotechnical Society, TGS, was originally formed as one of technical committee of the Engineering Institute of Thailand, EIT, under HM The King patronage in 1993. From then on, it has played an active role in promoting technical advances and research activities in the field of geotechnical engineering in Thailand. With the increasing demand in its activities, the committee decided to establish TGS in 2008 and joined the International Society for Soil Mechanics and Foundation Engineering in the same year. Currently, the Thai geotechnical engineers are estimated to be around 2,000 actively working in the country where there is increasing demand for geotechnical expertise.

ORGANIZING COMMITTEE

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Dr. Noppadol Phienwej

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Chairmen:

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Prof. A. S. Balasubramaniam (past President SEAGS)

Members:

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Prof. Chang-Yu Ou (Taiwan)

Dr. Phung Duc Long (Vietnam)

Dr. Pham Van Long (Vietnam)

Prof. Keh Jian Shou (Taiwan)

Program

Thursday, 14th - Friday, 15th September 2017

Commemoration Session "How it all started: our contributions in the past 50 years"

Speakers: Founders and Keypersons in SEAGS.

Honorary Chairman & Founder President



Dr. Za-Chieh Moh

Speakers: Founders and Keypersons in SEAGS



Prof. Roger Frank



Dr. Ooi Teik Aun



Er. Professor Yong Kwet Yew



Dr. Chung Tien Chin



Prof. Dennes T. Bergado



Dr. Noppadol Phienwej



Prof. Ikuo Towhata



Professor Charles W.W. Ng



Prof. San-Shyan Lin

Invited Speakers



Prof. Kazuya Yasuhara



Prof. Jian Hua Yin



Dr. Suttisak Soralump



Dr. John C. Li



Prof. Hung-Jiun Liao



Prof. Ikuo Towhata



Dr. Noppadol Phienwej



Prof. Der-Guey Lin



Prof. Pedro Simão Sêco e Pinto



Prof. Keh-Jian Shou



Dr. Geoff Chao



Prof. Paulus P. Rahardjo



Prof. Tahmeed Al - Hussaini



Prof. Askar Zhussupbekov



Dr. Richard Hwang

Invited Speakers



Dr. Tian Ho Seah



Dr. Hosoi Takeshi



Ir. Dr. Dominic Ong



Prof. John Endicott



Prof. Mitsutaka Sugimoto



Dr. Chiwan Wayne Hsieh



Dr. Dong-Hyun, Kim



Prof. Fauziah Ahmad



Dr. Chia-Weng Boon



Dr. V. Balakumar



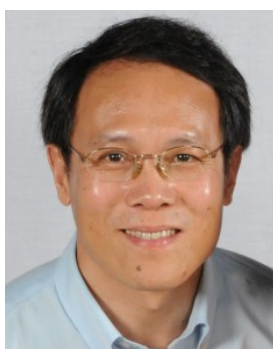
Dr. Erwin Oh



Er. Professor Yong Kwet Yew



Ir. Tjie Liong Gouw



Prof. Chu Jian



Prof. San-Shyan Lin

Invited Speakers



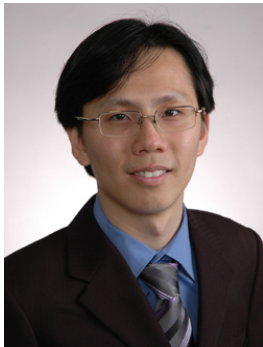
Prof. Suksun Horpibulsuk



Professor Charles W.W. Ng



Dr. Warakorn Mairaing



Dr. Siau Chen Chian



Ir. Liew Shaw Shong



Prof. Suched Likitlersuang

Technical Program (26th July 2017)

14th September 2017

8:00-9:00: Registration

9:00-9:30: Opening ceremony

- **Prof. R. Frank** (President ISSMGE)
- **Prof. Worsak Kanok-nukulchai** (AIT President)
- **Prof. I. Towhata** (Vice President, ISSMGE)
- **Dr. Z. C. Moh** (Founder-President SEAGS)
- **Dr. Noppadol Phienwej** (President SEAGS)
- **Prof. San Shyan Lin** (President AGSSEA)
- **Dr. Suttisak Soralump** (President TGS)

9:30-9:50: Coffee Break - Exhibition Opening

9:50-12:00: Commemoration Session "How it all started: Our Contributions in the Past 50 Years and Visions for the Future"

- **Dr. Z. C. Moh**: Founder President: Vision-Mission-Accomplishment
- **Dr. T. A. Ooi** (Malaysia): Developments in Malaysia
- **Prof. K.Y. Yong** (Singapore): 50 Years of Geotechnical Challenges in Singapore Infrastructure Development
- **Prof Charles Ng – Ir. W. K. Pun** (Hong Kong): Early Days of Geotechnics in HK Including GEO
- **Dr. J. K. Chin - Prof. San Shyan Lin** (Taiwan): "From 70's to-date: Brief on Geotechnical Engineering Development in Taiwan".
- **Prof. A. S. Balasubramaniam - Prof. D. T. Bergado (AIT)**: SEAGS from 1976 to-date
- **Dr. Noppadol Phienwej (SEAGS)**: SEAGS at Present
- **Dr. Suttisak Soralump** (Thailand): Geotechnical Development in Thailand Contribution of SEAGS
- **Prof. I. Towhata** (Japan): Future Task of Geotechnics Discipline

12:00-13:00: Lunch

13:00-15:15: *Session 1: Achievements, Looking Ahead and Case Histories*

- **C.W.W. Ng, J. L. Coo and A. Gunawan**: State-of-the-Art Research in Geo-energy and Geo-environmental Engineering: Energy Pile and Earthen Capillary Landfill Cover System
- **R. N. Hwang and L.W. Wong**: Effects of Preloading of Struts on Retaining Structures in Deep Excavations
- **T. L. Gouw**: Proposed Design Guideline of Dynamic Compaction for Practicing Engineers
- **Warakorn Mairaing and Bunpoa Kunsuwan**: Vegetation Effects on Landslides in Thailand
- **Chu Jian**: Recent Developments in Land Reclamation and Related Soil Improvement Methods
- **Paulus Rahadjo**: Selected Case Histories on Man Made Slope Failures in Indonesia

15:15-15:35: Coffee Break

15:35-17:45: *Session 2A: Piled Foundations*

- **S. S. Lin, C.K. Hsieh, C. J. Kuo, and Y. K. Lin**: Finite Element Analysis to Characterize the Lateral Behavior of a Capped Pile Group
- **Zh. A. Zhussupbekov, A. R.Omarov, A. Yergen, K. Borgekova and G.**

Teulenova: Piling Designing, Installation and Testing on Problematical Soil of Kazakhstan

- **D.E.L. Ong:** Detrimental Effects of Lateral Soil Movements on Pile Behaviour
- **T. Hosoi, W. Koji and M. Shinya:** Challenging Technologies of Diaphragm Wall and Bored Pile
- **V. Balakumar, M. Huang, E. Oh and A. S. Balasubramaniam:** A Critical and Comparative Study On the 2D and 3D Analyses of Raft and Piled Raft Foundations

18:00-20:00: Banquet

15th September 2017

8:30-10:20 *Session 2B: Foundations and Tunnelling*

- **L. Ge:** Liquefaction-Induced Settlement of Structures on Shallow Foundation
- **J. H. Yin and W. Q. Feng:** Validation of a New Simplified Hypothesis B Method for Calculating Consolidation Settlement of Clayey Soils Exhibiting Creep
- **C.W. Boon and L. H. Ooi:** Longitudinal and Transverse Interactions between Stacked Parallel Tunnels Constructed Using Shield Tunnelling in Residual Soil
- **M. Sugimoto, H. Tanaka, N. T. Huynh, S. Chaipayut, L.G. Lam, and J. Chen:** Study on Shield Operation Method in Soft Ground by Shield Simulation
- **L. J. Endicott:** Innovations in Tunnelling
- **Suched Likitlersuang:** Strength and Stiffness Parameters of Bangkok Clays for Finite Element Analysis

10:20-10:40: Coffee Break

10:40-12:00: *Session 3: Ground improvement*

- **D. T. Bergado, P. V. Long, P. Jamsawang, Na Lampun, C, and A. S. Balasubramaniam:** On Prefabricated Vertical Drain (PVD) and Deep Cement Mixing (DCM)/Stiffened DCM (SDCM) Techniques for Soft Ground Improvement
- **C. W. Hsieh:** Weaving Pattern and Lateral Confinement Effects on the Engineering Behavior of Hexagonal Wire Mesh Panels
- **S. C. Chian:** Optimising Cement Dosage in Ground Improvement and Early Quality Control Schemes
- **K. J. Shou, J. Yen, and C. Y. Hsieh:** Trenchless Excavations for Underground Pipelines in Difficult Geology

12:00-13:00: Lunch

13:00-15:00: *Session 3 Ground improvement: continued*

- **P. Pinto:** Leziria Tagus Bridge - Ground Challenges
- **S. S. Liew:** Common Blind Spots in Ground Investigation, Design, Construction, Performance Monitoring and Feedbacks in Geotechnical Engineering
- **K. Yasuhara, Yang, S. S. Horikawa, I. and Yamane, H.:** Settlement of River Dykes and their Adjacent Residences on Soft Clay Deposits after the Tohoku-Pacific Ocean Earthquake in 2011
- **T. Al-Hussaini:** Seismic Hazard Assessment Procedures - Reflection on Bangladesh
- **Suksun Horpibulsuk:** Failure and Remedial Approach of a Riverbank Protection Structure
- **Suraj De Silva and Henry Wang:** Reclamation for Al Raha Beach Development, Abu Dhabi, UAE

15:00-15:20: Coffee Break

15:20-17:30: *Session 4: Slope Stability, Excavations and Landslides*

- **H. J. Liao, S. Ho Cheng, and C.C. Chen:** Anchors of Anchored Slopes in Taiwan
- **D. G. Lin:** Evaluating the Efficiency of Subsurface Drainage for Large Landslides in Taiwan
- **G. Chao:** Evaluation of Factors Influencing Expansive Soil Embankment Slope Failure
- **F. Ahmad, A. S. Yahaya, M. H. Halim, and M. Azmi:** The Community Slope Safe Awareness Program at Bukit Antarabangsa, Kuala Lumpur
- **T. Awwad, S. Al Kodsi and L. Awwad:** Formulating Practical Equations by Numerical Analysis Parametric Study to Determine the Location of Neutral Plane
- **Kaushik Mukherjee:** A Standardised Detailed Reliability Based Methodology in Determining Risk on Stationary Platforms due to Shallow Gas Geohazard

17:30-17:45 Closing Ceremony



CONFERENCE VENUE

The conference will be held at AIT Conference Center
Pathumtani, Thailand.

<http://www.aitcc.ait.ac.th/>

CONFERENCE REGISTRATION FORM

Conference Registration Fee

Category	Registration Fee	
Participants	Normal (Received after 31 July 2017)	Early Bird (Received prior to 31 July 2017)
Members – TGS, SEAGS, AGSSEA	US\$250	US\$200
Non Members	US\$340	US\$300
Student & Engineers age 35/younger	US\$100	
Lecturers	US\$200	

No.	Name of Participant(s)	Amount
1.		
2.		
3.		
4.		
Total Amount		

I will be accompanied by: ☐ Spouse: _____ ☐ Children: _____ ☐ Guest(s): _____

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Asian Institute of Technology (AIT)
P.O. Box 4, Klong Luang, Pathumthani 12120, THAILAND
Tel: (66) 02 524 5864 Fax: (66) 02 516 2126
Email: <seags@ait.asia> Official web site: www.seags@ait.asia

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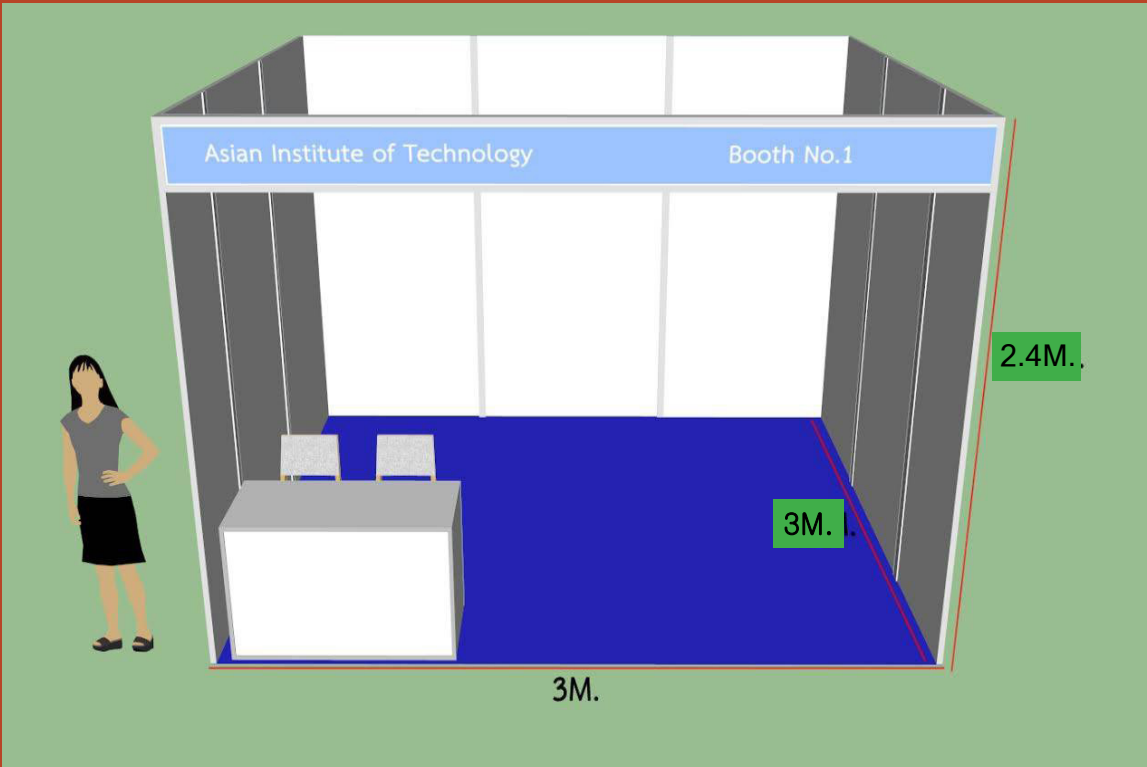
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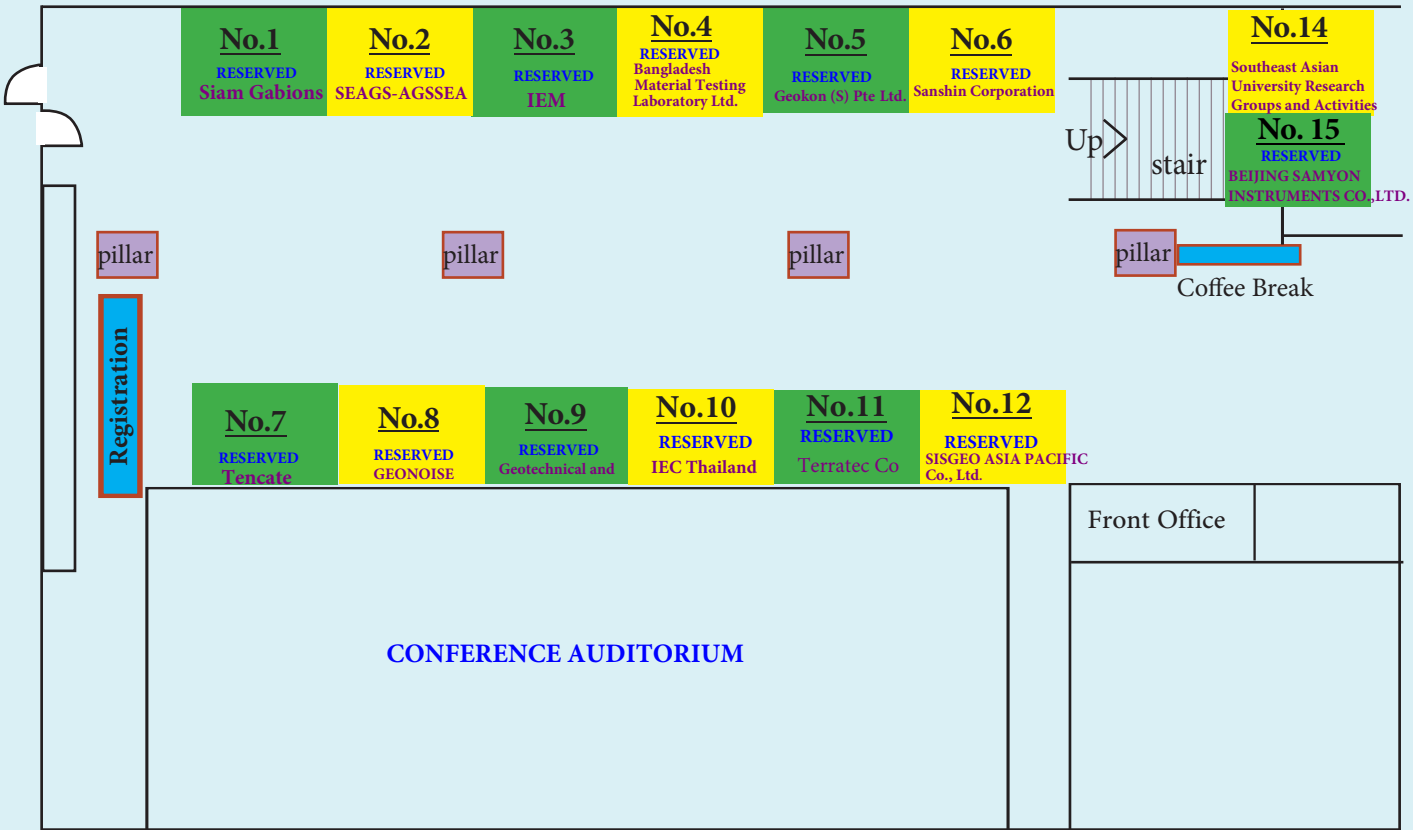
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EXHIBITION Layout Plan



Floor Plan AIT Level 1



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3 X 3 M ²		1,400	50,000	
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The above mentioned company would like to reserve ___ booth (s) for the International Technical Exhibition to be held on 14th to 15th September 2017 in AIT Conference Center, Pathumtani, Thailand in parallel with the: **50th Anniversary Symposium of SEAGS.**

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