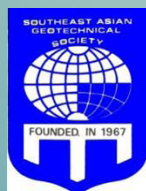


**50<sup>th</sup> Anniversary Symposium of Southeast  
Asian Geotechnical Society**

**SEAGS**

**14<sup>th</sup> – 15<sup>th</sup> September 2017  
AIT Conference Center  
Pathumtani, Thailand**

**Bulletin No. 2**



**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 50<sup>th</sup> Anniversary Symposium on 14<sup>th</sup>-15<sup>th</sup> 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 to invite Geotechnical Specialists to the SEAGS 50<sup>th</sup> Anniversary Symposium on 14<sup>th</sup> -15<sup>th</sup> September 2017 at the Asian Institute of Technology Campus in Bangkok.

Symposium is jointly organized by the Thai Geotechnical Society and Southeast Asian Geotechnical Society of ISSMGE. The Advisory Committee is prestigiously chaired by Prof. Roger Frank the President of ISSMGE. Dr. Suttisak Soralump is the President of the Thai Geotechnical Society and Dr. Noppodol Phienwej is the President of SEAGS.

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 the conference website.

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

***Dr. Suttisak Soralump***  
***Dr. Noppodol 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 geoenvironmental engineering, and geosynthetic engineering.

The Association of Geotechnical Societies in SouthEast 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 committees 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 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. Current Thai geotechnical engineers are estimated to be around 2,000 actively working in the country where there are increasing demand for geotechnical expertise.

## ORGANIZING COMMITTEE

Thai Geotechnical Society (TGS)

## THE CONFERENCE ADVISORY COMMITTEE

### **Honorary Chairman:**

Dr. Za-Chieh Moh (Founder President SEAGS, Hon. Founder Chairman AGSSEA)

### **Chairman:**

Prof. Roger Frank (President ISSMGE)

### **Co-Chairmen:**

Dr. Noppadol Phienwej (President-SEAGS)

Dr. Suttisak Soralump (President-TGS)

Dr. Ooi Teik Aun (past President SEAGS & past Chairman AGSSEA)

Prof. Dennes T. Bergado (past SG & Journal Editor)

Prof. San Shyan Lin (Chairman-AGSSEA)

### **Secretary:**

Prof. A. S. Balasubramaniam

# MEMBERS

Dr. Neil Taylor	(Secretary General, ISSMGE)	Dr. Sin-Fatt Chan	(Malaysia)
Prof. Jean-Louis Briaud	(Immediate Past-President ISSMGE)	Ir. Dr. Swee Huat Chan	(Malaysia)
Prof. Pedro Pinto	(Past President, ISSMGE)	Prof. Toe Hlaing	(Myanmar)
Prof. Antonio Gens	(Vice-President Europe, ISSMGE)	Tuk Lal Adhikari	(Nepal)
Prof. Paul Mayne	(Vice-President North America, ISSMGE)	Prof. Mike Pender	(New Zealand)
Prof. Ikuo Towhata	(Vice-President Asia, ISSMGE)	Prof. Kaare Hoeg	(Norway)
Prof. Fatma Baligh	(Vice-President Africa, ISSMGE)	Dr. Elmo Dibiagio	(Norway)
Prof. Mark Jaksa	(Vice-President Australasia, ISSMGE)	Dr. Amjad Agha	(Pakistan)
Prof. Jarbas Milititsky	(Vice-President South America, ISSMGE)	Prof. Jian Chu	(Singapore)
Prof. Askar Zhussupbekov	(Past Vice-President Asia, ISSMGE)	Dr. Kam Weng Leong	(Singapore)
Prof. M. Madhav	(Past Vice-President Asia ISSMGE)	Prof. Chun-Fai Leung	(Singapore)
Dr. Etienne Marcelin Kana	(Nominated Board Member, Africa)	Dr. Eng Choon Leong	(Singapore)
Dr. Marc Ballouz	(Nominated Board Member)	Dr. Chian Siau Chen	(Singapore)
Prof. Michele Jamiolkowski	(past President ISSMGE)	Prof. Lal Tennekoon	(Sri Lanka)
Prof. Kenji Ishihara	(past President ISSMGE)	Prof. Kulathilaka	(Sri Lanka)
Prof. N.R. Morgenstern	(past President ISSMGE)	Dr. Farrokh Nadim	(Sweden)
Prof. K.Y. Yong	(past President SEAGS & past-Chairman AGSSEA)	Dr. Peter Brenner	(Switzerland)
Prof. San Shyan Lin	(Chairmen-AGSSEA)	Dr. Chung Tien Chin	(Taiwan)
Prof. Worsak Kanok-Nukulchai	(President AIT)	Dr. John Chien-Chung Li	(Taiwan)
Prof. Harry G. Poulos	(Australia)	Prof. Der-Wen Chang	(Taiwan)
Prof. Buddhima Indratatna	(Australia)	Prof. Meei-Ling Lin	(Taiwan)
Dr. Erwin Oh	(Australia)	Prof. Chang-Yu Ou	(Taiwan)
Prof. Hadi Kabbaz	(Australia)	Prof. Yung-Show Fang	(Taiwan)
Prof. Heinz Brandl	(Australia)	Prof. Hung-Jiun Liao	(Taiwan)
Dr. Soktay Lim	(Cambodia)	Dr. Chin Der Ou	(Taiwan)
Dr. Dariusz Wanatowski	(China)	Dr. Apiniti Jotisankasa	(Thailand)
Prof. Charles Wang-Wai NG	(Hong Kong)	Prof. Suched Likitlersuang	(Thailand)
Ir. Dr. Johnny Cheuk	(Hong Kong)	Mr. Sataporn Kuvijitjaru	(Thailand)
Ir. Raymond Chan	(Hong Kong)	Mr. Boonchai Chittikuldilok	(Thailand)
Prof. Jian Hua Yin	(Hong Kong)	Dr. Nattawuth Udayasen	(Thailand)
Prof. Masyhur Irsyam	(Indonesia)	Mr. Titi Paveenchana	(Thailand)
Dr. Pinto Tua Simatupang	(Indonesia)	Dr. Warakorn Mairiang	(Thailand)
Prof. Akira Murakami	(Japan)	Khun Narong Thasnanipan	(Thailand)
Prof. Tatsunori Matsumoto	(Japan)	Prof. Mounir Bouassida	(Tunisia)
Prof. Hideki Ohta	(Japan)	Prof. John Burland	(U. K.)
Prof. Osamu Kusakabe	(Japan)	Prof. Robert Mair	(U.K.)
Prof. Kim Sang Kyu	(Korea)	Prof. Andrew Schofi Id	(U.K.)
Prof. D.S. Kim	(Korea)	Prof. David Wood	(U.K.)
Ir. Shaw Shong Liew	(Malaysia)	Prof. Jay N. Meegoda	(U.S.A)
Dr. Wen Hui Ting	(Malaysia)	Prof. R.D. Holtz	(USA)
Ir. Yew Weng Yee	(Malaysia)	Dr. Phung Duc Long	(Vietnam)
Ir. Thien Seng Yee	(Malaysia)	Dr. Pham Van Long	(Vietnam)
Ir. Kenny Yee	(Malaysia)	Prof. Trinh Minh Thu	(Vietnam)

# Programs

Thursday, 14<sup>th</sup> - Friday, 15<sup>th</sup> September 2017

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

Speakers: Founders and Keypersons in SEAGS.

### Speakers: SEAGS founders and friends:



Dr. Za-Chieh Moh



Dr. Ooi Teik Aun



Prof. Dennes T. Bergado



Prof. Roger Frank

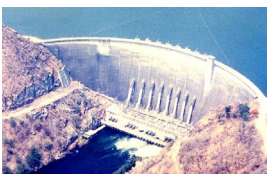


Dr. Chung Tien Chin



Dr. Noppodol Phienwej

## CONFERENCE TOPICS



### Session 1 Geo-Hazards and Geo-Energy

Earthquake related Geohazards | State-of-the-Art Research in Geo-energy and Geo-Environmental Engineering: Geothermal Pile and Capillary Landfill Cover System | The Case of The New Tagus River Leziria Bridge | Selected Case Histories on Man Made Slope Failures in Indonesia | Seismic Hazard Assessment Procedures - Reflection on Bangladesh | Evaluating the Efficiency of Subsurface Drainage for Large Landslides in Taiwan



### Session 2 Geotechnical Challenge and Geo-Hazards

50 years of Geotechnical Challenges in Singapore Infrastructure Development | Geotechnical Engineering Practice 1987 – 2016: Selected Topics | Settlement of river dykes and their adjacent residences on soft clay deposits | Bangkok land subsidence and groundwater recovery: to pump or not to pump | Liquefaction-Induced Settlement of Structures on Shallow Foundation



### Session 3 Slope Stability

The modelling impact of future climate on stability of slopes | The anchors of anchored slopes in Taiwan | Applications of image processing to rock slope engineering | Sustainable stabilization of problematic soils | Evaluation of Factors Influencing Expansive Soil Embankment Slope Failure | The Community Slope Safe Awareness at Bukit Antarabangsa, Kuala Lumpur Malaysia



## Session 4 Foundation

Piling designing, installation and testing on problematical soil ground of Kazakhstan I Finite Element Analysis to Characterize the Lateral Behavior of a Capped Pile Group I Challenging Technologies of Diaphragm Wall construction I A Critical and Comparative Study on The 2D and 3D Analyses of Raft and Piled Raft Analyses I Detrimental effect of lateral soil movements on pile behaviour



## Session 5 Soil Properties

A New Simplified Hypothesis B Method for Calculating Consolidation Multiple Layers of Clayey Soils with Creep I Common Blind Spots in Ground Investigation, Design, Construction, Performance Monitoring and Feedbacks in Geotechnical Engineering I Strength and Stiffness Parameters of Bangkok Clays for Finite Element Analysis I Geotechnical Characterization and Properties of Bangkok Clay I Optimising cement dosage in ground improvement and early quality control schemes



## Session 6 Ground Improvement

Recent developments of soft ground improvements using prefabricated vertical drains (PVD) and deep cement mixing (DCM) I Recent development in land reclamation and related soil improvement works I Recent Deep Mixing Developments in Saga Prefecture I Proposed Design Guideline of Dynamic Compaction for Practicing Engineers I Weaving pattern and lateral confinement effects on the engineering behavior of hexagonal wire mesh panels



## Session 7 Transportation Geotechnics and Tunnelling

Recent Developments in Transport Geotechnics I Longitudinal and transverse interactions between stacked parallel tunnels constructed using shield tunnelling in residual soil I Deep Excavations & Tunnelling Experience in Taipei I Tunnelling Experiences in Hong Kong I Trenchless Excavations for Underground Pipelines in Difficult Geology I Recent developments in soft ground tunnelling I Hydrological and Physical Criteria of Rainfall-Induced Shallow Landslides

## Invited Speakers



**Prof. Kazuya Yasuhara**



**Prof. Jian Hua Yin**



**Prof. Dennes Bergado**



**Dr. John C. Li**



**Prof. Hung-Jiun Liao**



**Prof. Ikuo Towhata**



**Dr. Noppadol Phienwej**



**Dr. Lin Der Guy**



**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. Suttisak Soralump**



**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**



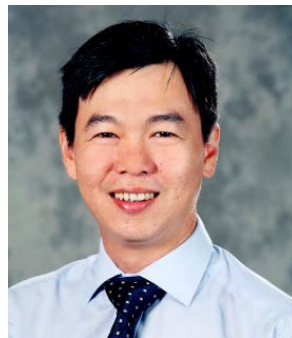
**Prof. Fauziah Ahmad**



**Dr. Chia-Weng Boon**



**Dr. V. Balakumar**



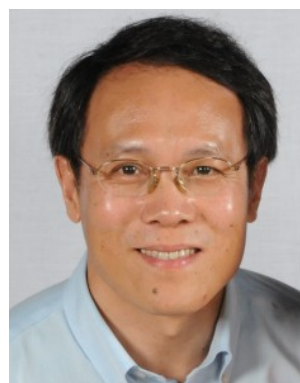
**Dr. Erwin Oh**



**Er. Professor Yong Kwet Yew**



**Prof. B. Indraratna**



**Prof. Chu Jian**



**Prof. Suched Likitlersuang**





**Ir. Tjie Liong Gouw**



**Professor Charles W.W. Ng**



**Prof. San-Shyan Lin**



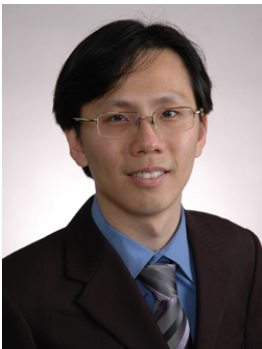
**Prof. Suksun Horpibulsuk**



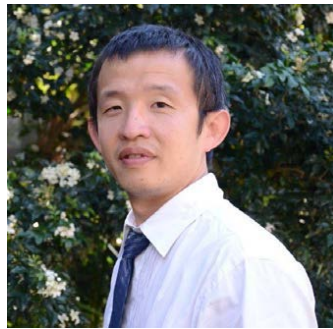
**Dr. Richard Hwang**



**Dr. Warakorn Mairaing**



**Dr. Siau Chen Chian**



**Dr. Cholachat Rujikiatkamjorn**



**Dr. Wanchai Teeparaksa**



# 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 (US\$)	
Participants	Normal (Received after 31 July 2017)	Early Bird (Received prior to 30 July 2017)
Members – TGS, SEAGS, AGSSEA	250	200
Non Members	340	300

No.	Name of Participant(s)	Amount
1.		
2.		
3.		
4.		
<b>Total Amount</b>		

I will be accompanied by:     Spouse: \_\_\_\_\_     Children: \_\_\_\_\_     Guest(s): \_\_\_\_\_

<b>Contact Name:</b>	
<b>Organization:</b>	
<b>Position:</b>	
<b>Mailing Address:</b>	
<b>Contact No.:</b>	
<b>E-mail:</b>	

PLEASE COMPLETE AND RETURN  
WITH REMITTANCE IN FAVOR OF:

Southeast Asian Geotechnical Engineering Society School of  
Engineering & Technology  
Asian Institute of Technology (AIT)  
P.O. Box 4, Klong Luang, Pathumthani 12120, THAILAND  
Tel: (66) 02 524 5864 E- Fax: (66) 02 516 2126  
mail: <seags@ait.asia> Official web site: [www.seags@ait.asia](http://www.seags@ait.asia)

## METHOD OF PAYMENT

**Bank Draft or Money Order** (*add US\$ 3 for foreign check*)  
payable to: "ASIAN INSTITUTE OF TECHNOLOGY"

**Bank Transfer** (*please send the Bank Receipt to us for confirmation of payments*)

Account Name: **Asian Institute of Technology**  
Account Number: **468-046301-2**  
Bank: **Siam Commercial Bank Pcl, Ltd**  
Branch: **Thammasat University Hospital**  
Address: **95 Moo 8, Khlongnueng, Khlongluang, Pathumthani 12120**  
  
Swift code: **Thailand SICOTHBK**  
Phone: **662-516-3470-1**  
Fax: **662-516-3472**

**Credit Card** (*for the amount, add 4%*)

Master Card     Visa Card     American Express

Card Number:

Expiry Date:

Cardholder's Name:

Cardholder's Signature:

*Please add the Card ID for American Express. (Card ID is a four -digit code printed on the face of the Card).*

## ACCOMMODATION

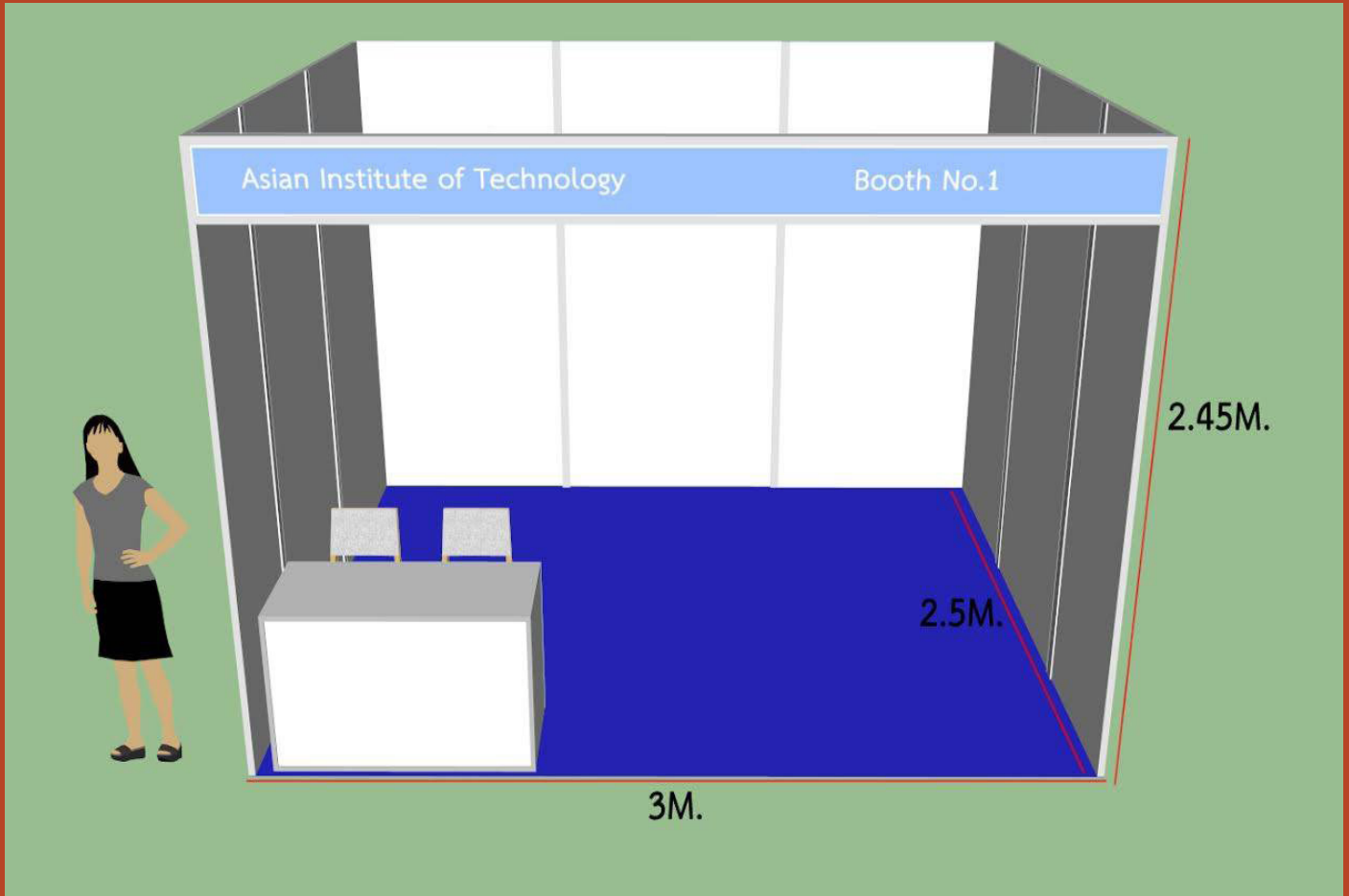
Please book a single/ twin room for me at the AIT Center Hotel for \_\_\_ nights starting from \_\_\_ to \_\_\_  
September 2017

### Room Rates:

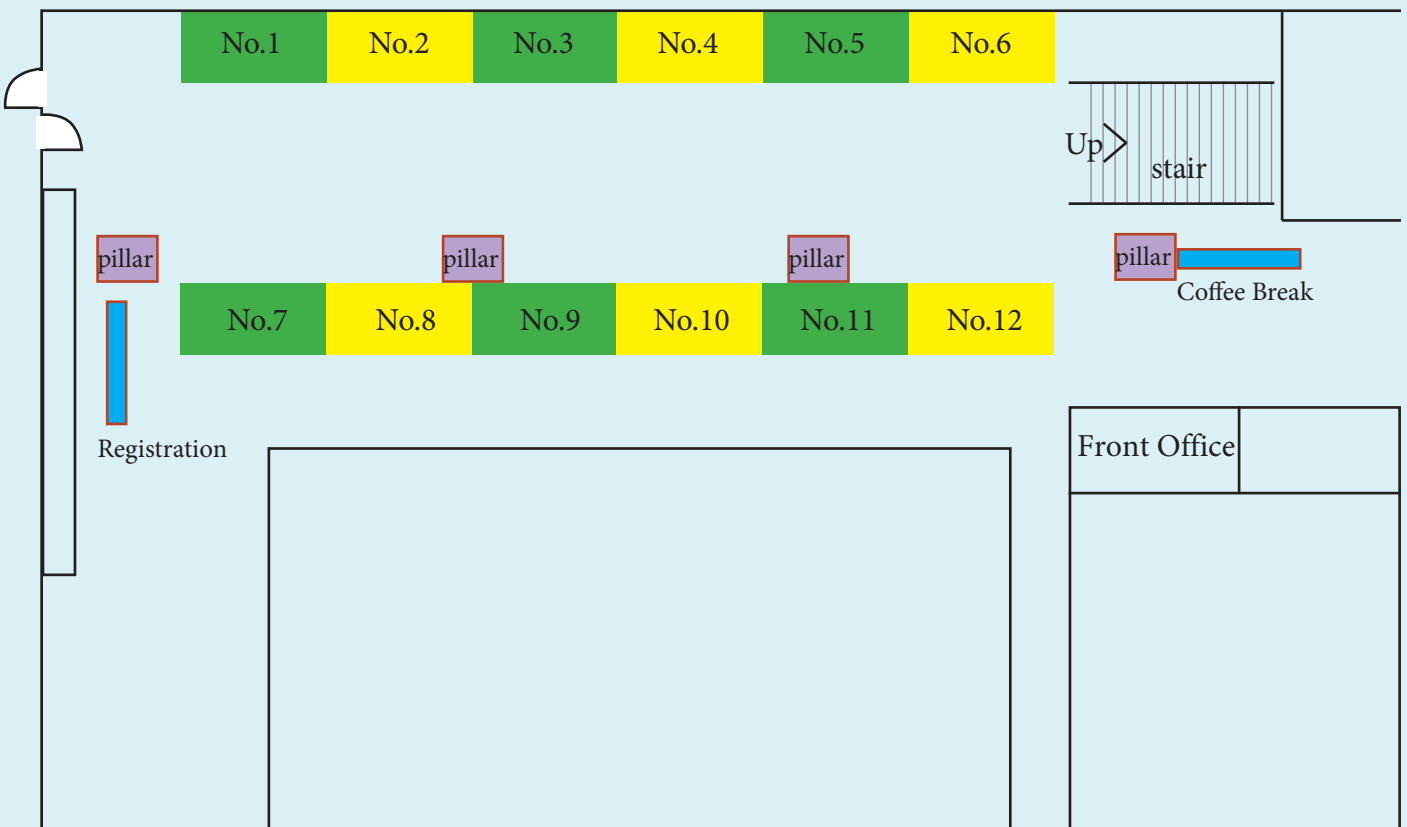
- |  |                    |
|--|--------------------|
| <input type="checkbox"/> Single Rooms (new wing):  | 2,000 Baht / night |
| <input type="checkbox"/> Double Rooms (new wing):  | 2,200 Baht / night |
| <input type="checkbox"/> Single Rooms (main wing): | 1,400 Baht / night |
| <input type="checkbox"/> Double Rooms (main wing): | 1,600 Baht / night |

I don't need accommodation.

# EXHIBITION LAYOUT PLAN



## Floor Plan AIT Level 1



# EXHIBITION BOOKING FORM

<b>Organization:</b>			
<b>Contact Person:</b>			
<b>Position:</b>			
<b>Postal Address:</b>			
<b>Contact No.:</b>	<b>Office No.:</b>		<b>Fax No.:</b>
<b>Mobile No.:</b>			
<b>E-mail:</b>			

Signature: .....

Company Stamp:

Date: .....

## BOOKING FEES

Section	Cost / Booth	No. of Booths	Total
<b>Total</b>			

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**Credit Card** (*for the amount, add 4%*)

Master Card   
  Visa Card   
  \*American Express

Card Number: \_\_\_\_\_

Expiry Date: \_\_\_\_\_

Cardholder's Name: \_\_\_\_\_

Cardholder's Signature: \_\_\_\_\_

*\*Please add the Card ID for American Express. (Card ID is a four -digit code printed on the face of the Card).*