

Name (1) : \_\_\_\_\_ Reg. Fee : \_\_\_\_\_  
 Name (2) : \_\_\_\_\_ Reg. Fee : \_\_\_\_\_  
 Name (3) : \_\_\_\_\_ Reg. Fee : \_\_\_\_\_

Organisation Name : \_\_\_\_\_

Address : \_\_\_\_\_

Tel (O) : \_\_\_\_\_ Fax No : \_\_\_\_\_

Contact person : \_\_\_\_\_ Tel : \_\_\_\_\_

E-mail : \_\_\_\_\_ Date : \_\_\_\_\_

REGISTRATION FORM

- The SSES'09 fee includes refreshment and daily lunch.
- No refund will be given for cancellation, but a replacement participant is accepted.
- Cheque, Bankdraft and Local order, should be made payable to the 'VICE CANCELLOR UTHM' and mailed to the organizing committee together with the registration form.

### REGISTRATION FEES

RM 250	Early birds – registration before 30 June 2009
RM 300	IEM members
RM 350	Non IEM members
RM 100	Student & IEM student member



\* Valid for 3 or more participants per registration.

### FURTHER INFORMATION

For further information please contact;

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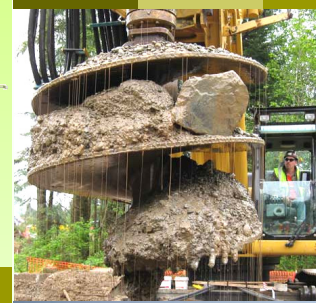
# SOFT SOIL ENGINEERING SEMINAR 2009

## SSES'09

BEM APPROVED  
 CPD HOURS : 16  
 REF : IEM/SB/209/S

### 30 - 31 JULY 2009

Putri Pan Pacific Hotel, JB



FACULTY OF CIVIL  
& ENVIRONMENTAL  
ENGINEERING



The Institution of Engineers Malaysia  
(Southern Branch)

Jointly Organized By :

Research Centre For Soft Soils (RECESS),  
 Faculty of Civil and Environmental Engineering  
 (FKAAS), UTHM  
 &  
 The Institution of Engineers, Malaysia  
 (Southern Branch)

# SEMINAR PROGRAMME

## THURSDAY, 30 July 2009

09.00 a.m – 10.45 a.m	<b>Opening/Welcoming Session</b> Welcoming speech by the Dean, Faculty of Civil & Environmental Engineering (FKAAS) Prof. Dr. Abdul Aziz Dato' Abdul Samad <b>Lecture 1: Prof D.C. Wijeyesekera, University of East London (UEL)</b> Overview of Soft Soil Engineering : Properties and Challenges
10.45 a.m – 11.15 a.m	<b>Break</b>
11.15 a.m – 12.45 a.m	<b>Lecture 2: Assoc. Prof. Dr. Hj. Mohd Idrus Hj. Mohd Masirin</b> Embankment Construction over Soft Soils
12.45 p.m – 02.15 p.m	<b>Lunch</b>
02.15 p.m – 03.45 p.m	<b>Lecture 3: Ir. Dr. Loke Kean Hooi</b> Geotextile Application in Soft Soils
03.45 p.m – 04.15 p.m	<b>Break</b>
04.15 p.m – 05.30 p.m	<b>Lecture 4: Prof. Dr. Aminaton Marto</b> Construction of Bamboo Reinforced Embankment on Soft Soils

## FRIDAY, 31 July 2009

08.30 a.m – 09.00 a.m	<b>Refreshment</b>
09.00 a.m – 10.30 a.m	<b>Lecture 5: Dr. Chan Chee Ming</b> Modification and Stabilisation of Soft Soils
10.30 a.m – 11.00 a.m	<b>Break</b>
11.30 a.m – 12.00 p.m	<b>Panel Discussion: Construction Problems and R&amp;D in Soft Soils</b> Prof Dato' Dr. Hj Ismail Hj Bakar (Chairman), Prof D.C. Wijeyesekera of UEL, Dr. Ir. Mohd Azman M. Amin & Assoc. Prof. Dr. Hj. Mohd Idrus Hj. Mohd Masirin <b>Concluding remarks by The Head of RECESS</b>
12.00 p.m – 02.30 p.m	<b>Lunch &amp; Friday Prayer</b>
02.30 p.m – 05.00 p.m	<b>Technical Visit: Costal highway construction from Johor Bahru to Nusa Jaya at Iskandar Development Corridor</b>

# SYNOPSIS

Soft soils may be composed of loose sands, silts, wet clays, organic soils or combination of these materials. These soils are generally labeled as 'problematic' and are closely related to the typical failure behaviour of highly compressible, having poor resistance to deformation, low permeability and limited bearing capacity. Construction of any infrastructure over soft soils inevitably causes the soil to undergo excessive and differential settlements. If soft soils can be treated before construction, such problems may be alleviated or avoided. In such conditions, improvement of the weak properties of soft soils can be achieved by adopting various techniques such as soil stabilization, reinforcement, grouting, vertical drains with preloading and other ground improvement techniques.

This seminar provides an arena for professionals to contribute their experiences on soft soil engineering. It also presents a platform for the interaction and exchange of experience amongst the speakers and the participants in related topics, such as construction problems, R&D on soft soils and also new insights of ground improvement.

# BIODATA OF SPEAKERS

## 1. PROF. D.C. WIJYESEKERA

*BSc (University of Ceylon), MSc and PhD (University of London).*

Professor Chitral Wijeyesekera has over 35 years' experience in teaching, research and consultancy in Civil Engineering. He maintains collaborative research links with many UK (Oxford, Cambridge, Imperial College, Nottingham Trent) and overseas (Brunei, Japan, Malaysia, Singapore and Sri Lanka) Universities, Water Utility companies (Thames Water) and field research centres (RECESS in Malaysia). He has published widely and written over sixty publications. He has also been the lead academic on a Teaching Company Scheme and has a similar role on a current Knowledge Transfership Programme with Rawell Environmental Ltd., based in Liverpool. He is research active and currently directs the research of five PhD research students particularly in the areas of soil structure interaction, the physical and numerical modelling of soil pipe interaction, physico chemical properties of soils leading to soil cracking and contaminant migration characteristics of geo barriers used in landfill sites. Currently he is a Visiting Professor at the Faculty of Civil and Environmental Engineering, UTHM.

## 2. PROF DATO' DR. ISMAIL HAJI BAKAR

*Dip (Universiti Teknologi Malaysia), BS and MS (Louisiana State University, USA), PhD (University of Bradford, UK)*

Prof Ismail is currently the Head of RECESS and is actively involved in research in soft soil. His area of specialization includes in situ testing of soft soil, ground improvement and properties of soft soil. He has served as an academician at UTM and UTHM from 1973 and also served as academic administrator for more than 30 years. His last academic administrator post was as the Vice Chancellor of UTHM.

## 3. PROF. DR. AMINATON BT. MARTO

*BSc (Universiti Teknologi Malaysia), MSc (University of Newcastle upon Tyne, U.K), PhD (University of Bradford, U.K)*

Prof. Dr. Aminaton is a Professor, Head of Geotechnics Panel and the Head of Soft Soil Research Group in Faculty of Civil Engineering, UTM. She is actively involve as a committee member in Coordination of Research (JKPP), as a Captain in Civil Defence Department, the Head of Geotechnics Specialist, Disaster Management & Mitigation Team (DMT), Assessor Panel for Lembaga Akreditasi Negara (LAN), Deputy Quality Manager of Civil Engineering Testing Unit (CETU) and the Steering Committee of Research Centre of Soft Soil (RECESS). She has a wide experience in lecturing, supervising Bachelor, Master and PhD. students; research works both at national and international level; writing monographs, modules and bulletin; publishing books and journals; consultation works; speaker in many conferences and seminars; thesis examiner; and facilitating in workshops and courses.

## 4. ASSOCIATE PROF. DR. HAJI MOHD IDRUS HAJI MOHD MASIRIN

*Dip (Universiti Teknologi Malaysia), BSc (Seoul, Korea), MSc and PhD (University of East London)*

Dr Mohd Idrus is currently the Director for Corporate and International Relations Office (PEKA) UTHM responsible in University-Industrial linkages and international related matters. He has written more than 50 papers in proceedings and a journal published and has done more than 20 researches specialized in geotechnics, road engineering, traffic engineering and highways and transportation. He has also achieved a Certificate in Software Application certified by The City & Guild of London (2005).

## 5. DR. CHAN CHEE MING

*Dip (Politeknik PD), BSc (ITTHO/Universiti Teknologi Malaysia), PhD (University of Sheffield)*

Dr. Chan's specialises in soft soil engineering research, specifically soil modification and stabilization. In an effort to use engineering knowledge and research outcomes for the betterment of mankind, Dr. Chan has incorporated the added value of 'sustainability' to her research efforts. Considering that most engineering applications are effective but destructive in nature, she believes that we could adopt a more sustainable way of doing things to minimize the 'destructive' component in engineering applications.

## 6. IR. DR. MD. AZMAN BIN MD. AMIN

*Certificate (Politeknik Ungku Omar, Ipoh), Dip (Universiti Teknologi Malaysia), BSc (University of Glasgow, U.K), PhD (Universiti Teknologi Malaysia)*

Dr. Ir. Md. Azman is currently the Managing Director of Pakatan Geo Services Sdn. Bhd in Johor. He was an Academician of Universiti Teknologi Malaysia in 1987 until 1997 and involved in testing and designing work in civil and geotechnical engineering. During his career, he joined as a member of South East Asia Geotechnical Society (SEAGS), International Society for Soil mechanics and Foundation Engineering (ISSMFE), Malaysian Soil Investigation Association and Institute Engineers Malaysia.

## 7. IR. DR. LOKE KEAN HOOI

*BSc and PhD (University of Strathclyde, U.K)*

Ir. Dr. Loke Kean Hooi is the General Manager of TenCate Geosynthetics Asia Sdn. Bhd. In his career, he was the Technical manager of Polyfelt Geosynthetics Sdn. Bhd. (1991-1994), worked in US Department of Transport, Federal Highway Administration (FHWA) in 1992 and was the Regional Technical Manager, Polyfelt Asia Sdn. Bhd. (1995 – 2004). He had conducted many short courses, lectures on geosynthetics to government agencies, engineering institutions, universities, consultants and contractors. Ir. Dr. Loke also authored and co-authored more than 50 technical papers in major national and international conferences.