ANNOUNCEMENT/REGISTRATION



# 2 ½ DAY SEMINAR AND WORKSHOP ON 'TRENCHLESS & TUNNEL TECHNOLOGY

Date : 3 to 5 th July 2013

Venue : fiotel Swiss Garden ,fil

### JOINTLY ORGANISED BY:

### MYANMAR ENGINEERING SOCIETY (MES),

THE INSTITUTION OF ENGINEERS, MALAYSIA (IEM)

with

#### ASEAN ENGINEERING REGISTER (AER) &

SUPPORTED BY

INDIAN SOCIETY FOR TRENCHLESS TECHNOLOGY

#### Asean Engineering Register (AER) c/o The Institution of Engineers, Malaysia

Bangunan Ingenieur, Lot 60/62, Jalan 52/4, Peti Surat 223 (Jalan Sultan), 46720 Petaling Jaya, Selangor Darul Ehsan, Malaysia

Or fax to +603-7957 7678 (Attention: Cik Ruwaidah/Ms Ooi) email : <u>sec@iem.org.my</u> or <u>aer@iem.org.my</u>, CC to <u>Cheng8@gmail.com</u>



## WHO SHOULD ATTEND

- 1. Governments, Infrastructure owners, developers, consultants, contractors, engineers, academics who are looking for viable method of laying services, and those seeking in-depth knowledge of latest trends and developments in Trenchless Technology
- 2. Operations, engineering, maintenance personnel pursuing increased productivity and efficiency in the design and construction of services network

### **SYNOPSIS**

- 1. Trenchless Technology (TT) is a branch of construction engineering dealing with techniques and related equipment used to develop, maintain and renew subsurface utility networks without excavating continuous trenches. It is a branch of applied engineering, which is State-of-Art, used to develop, manage, and renew continuous cabled and piped networks for transferring signals and fluids respectively. Major applications of these techniques are for Water Supply, Rainwater Disposal, Sewer Disposal, Gas, and Petrochemical products, electrical and telecom signals and other underground networks
- 2. In many Asean countries and worldwide ,many services networks have been laid using this method, avoiding the hazards , risks and social cost associated with open trenching. In many countries the technology is being slowly but surely preferred when the overall construction and social cost are taken into account as compared to more traditional methods .In view of the increasing importance of this technology , IEM and MES are organizing a series of Roving seminar on Trenchless Technology .The 1st will be held in Myanmar in June 2013 , with repeat events in Malaysia and Indonesia
- 3. The series of this roving seminar on Trenchless technology(TT) is aimed to instill on and train engineers/practitioners/others interested in the theory and practice of TT for a specialization in any one of the following five techniques: Moling, Pipe Ramming, Horizontal Directional Drilling, Pipe jacking / Micro tunneling and Pipe Bursting and rehabilitation.
- 4. The 1st series will cover general concepts of TT, Pipe jacking and directional drilling.

GRADE	Normal	Discounted (RM) For 3 or more persons in each firm or pay before 30/5/2013
AER/IEM/BEM/ Members of AFEO /INDSTT	RM800.00 USD 270.00	RM700.00 USD 234.00
OTHERS	RM900.00 USD 300.00	RM800.00 USD 270.00

# **Registration fées for participants**

### SEMINAR PROGRAMME

### DAY ONE 3 July 2013 (Wednesday)

08.00 a.m. – 09.00 a.m.	Registration / Welcome Coffee / Tea / Light Refreshments
09.00 a.m. – 09.10 a.m.	Welcoming Address by IEM/AER
09.10 a.m. – 09.20 a.m.	Speech and Launching by Invited VIP
09.20 a.m. – 12.30 pm	Introduction to TT Development of TT, various TT and social economic considerations Development of TT in USA, China (including Hong Kong), India, South East Asia and other regions
10.20 a.m. – 10.40 a.m.	Coffee Break
12.30 a.m. – 01.30 p.m.	Lunch Break
01.30 p.m 04.30 p.m.	TT and research, lessons learnt in applying TT in developed and developing countries, pitfalls and various issues on the adaptation of TT. Academic research and teaching of TT
4.30 p.m. – 5.30 p.m.	Panel Discussion/Q & A Session
5.30 pm – 6.15 p.m.	Social and interaction

### DAY TWO 4 July 2013 (Thursday)

08.00 a.m 09.00 a.m.	Welcome Coffee / Tea / Light Refreshments
09.00 a.m 12.30 a.m.	Pipe jacking, theory and applications for long distance jacking, various types of machine. Design and soil and other investigation for TT design , Directional drilling and related areas of works
10.20 a.m. – 10.40 a.m.	Coffee Break
12.30 a.m. – 01.30 p.m.	Lunch Break
01.30 a.m. – 04.30 p.m.	Specialized application of TT/Pipe jacking /Tunnelling Technologies Tunnel Boring Machine TBM excavation Pipe roof method of construction. Rectangular box culvert jacking, long distance and curved jacking, Jacking towards outfall-Seas, and other constraints
4.30 p.m. – 5.30 p.m.	Panel Discussion/Q & A Session
5.30 pm – 6.15 p.m.	Social and interaction

### DAY THREE 5 July 2013 (Friday)

#### <u>0900-1300 - Site visit</u>

Site visit will be orgainsed to Pipe jacking and /or directional drilling sites within the Klang Valley areas-Presentation on the projects on hand will be given and participants will be briefed on problems, design and construction and others issues encountered.

# **ORGANISING COMMITTEE:**

Chairman	Ir. Yam Teong Sian
Co-Chairman	Ir. Cheng Kim Hua
Advisor	Ir .Dato Andy Seo Kian Haw
Secretary/Treasurer	Ir. Yap Soon Hoe
Members	Ir .Dr. Salmah Zakaria
	Ir Sim Lim Char
	Ir. Dr Ahmad Anuar
Correspondence Members	Mr Alex Chan
	Ms Thandar KO
	Ms Trisha Sun
Secretariat	Ms. BE Ooi
	Cik Ruwaida

# **SPEAKERS' BIODATA**

Note : The following is a list of Speakers .This list and the final Programmes are subject to change at the discretion of the organisers

### 1) Prof Ray Sterling

Dr. Sterling is a Professor Emeritus at Louisiana Tech University. From 1995 to 2009 he was the Contractors' Educational Trust Fund Professor of Civil Engineering and Director of the Trenchless Technology Center at Louisiana Tech University.

Previously, from 1977 to 1995, he was the founding director of the Underground Space Center at the University of Minnesota. Dr. Sterling received a B.Eng. degree in civil and structural engineering from the University of Sheffield in 1970. He received his M.S. and Ph.D. degrees from the University of Minnesota in 1975 and 1977.

He is the current President of the Associated research Centers for Urban Underground Space and the Vice Chairman of the Committee on Underground Space of the International Tunneling and Underground Space Association. He is a Past Chairman of the International Society for Trenchless Technology (ISTT) and the North American Society for Trenchless Technology, a Past Chairman of the U.S. National Committee on Tunneling Technology, and a Past Animateur for the International Tunnelling Association's Working Group on Direct and Indirect Advantages of Underground Structures.

In 2003, he received the Stephen D. Bechtel Pipeline Engineering Award from the American Society of Civil Engineers.

He has authored approximately 200 books, technical papers and reports on a wide range of topics related to underground space use, underground construction, aeromechanics and trenchless technology and for the past 10 years has served as a Senior Editor of the international journal Tunnelling and Underground Space Technology. He is registered engineer in the U.S. and is a Fellow of the American Society of Civil Engineers. Ray Sterling was professor in the Louisiana Tech Unamend served as Chairman of the Trenchless Technology Centre, USA. Chairman of International society of Trenchless Technology, and is visiting fellows and advisors to PR China; Singapore Government on trenchless and underground space. He sat as international panel editor in underground space.

#### 2) Ms Trisha Sun

Ms Sun is a principal of W&M Consultants, providing consultancy services to infrastructure and trenchless Industry.

She has been involved in trenchless /civil infrastructure areas for over 10 years. She is a civil engineer with an MSc (project management) from Heriot Watt Unit, UK.

#### 3) Mr. Cheng Kim Hua

Mr. Cheng is a professional engineer in both Singapore and Malaysia. He graduated from Monash Unit, Australia and the Delft Hydraulic Institute .He is also a qualified Management accountant.

He has served as Hon. Secretary and vice president of the Malaysia's Institution of Engineers, Board Member of the Board of Engineers, Malaysia and as alternate board member of Highway Authority Malaysia.

He is a consultant and project management advisors to many pipe jacking and trenchless projects .He has been involved in over 70 km of sewer and pipe jacking /box tunnel in SEA ,Middle East and India since 1986 .Currently he is travelling and working in SEA and India for the for the Indian and Bangkok /Singapore pipe roof and pipe jacking projects as well as in safety and quality supervision of other civil /infrastructure works .

#### 4) Prof MA Baosong

Prof Ma is Professor at the China Uni of Geosciences, Wuhan , and is director of China-US Joint Centre for Trenchless R&D .

Prof Ma is the chief editor of the bestselling trenchless technology reference book in ,China and has won the 2011 International Society for Trenchless Technology(ISTT)'s academic award for the education in TT areas .His student also won in the same year for the best student paper in TT .

#### 5) Mr. Sooksun Sanejantra

Mr. Sooksun Sanejantra graduated from Chulalongkorn Uni in Engineering in 1999

He is currently serving as a Tunnel Manager for a supervising consultant Fong Consult for the client in one of the Singapore's downtown line projects involving bored tunnels, and MRT stations. He worked earlier as Senior Tunnel Engineer for a contractor for similar works.

He has also worked in Taiwan for water and MRT Tunnels after gaining exposure for Bangkok's Tunnel works during his student's day

#### 6) Mr. David P Mundo

David is the Technical Director of Fong Consult Pte Ltd, a consultancy company based in Singapore .He graduated with BSC and MSc in civil engineering -

He has over 20 years post graduate experience in civil and geotechnical areas. He served as design engineer as well as for contractor before assuming the role as technical director with Fong Consult. Among the projects he was involved are: geotechnical investigation and design of sewer, trenchless and tunnel projects, instrumentations, and monitoring and many basement works for high rise buildings and in various soil condition.

7) Mr. Cheng Chin Keong

Chin Keong is the Overseas General Manager (Tunnelling) of Italy based company I.C.O.P Spa, and is its Malaysian company.

He has over 17 years' experience in Trenchless works, covering regions in South East Asia, Middle East, Australia and Europe.

He served in Bangkok, Thailand and in other parts of SE Asia before moving to overseas. He has completed projects for sewer and other trenchless works, including The Bangkok waste water, Australia Sydney and Perth water and waste water pipelines, Malaysia Penang and Kuala Lumpur sewer projects, and in UAE, and Bahrain. He has competed works for curve jacking, shafts, and also outfall to open seas. He has also presented many papers for International and Middle East no –dig( trenchless technology ) events since 2002.

#### 8) Prof Niranjan Swarup

Prof Swarup graduated from Regional Engineering College Rourkela in 1987 he has been involved in various infrastructure development projects. He has received his Doctorate (Honoris Cuasa) from Singhania University, Jhunjhunu, and Rajasthan

He functions as the Executive Director of Indian Society for Trenchless Technology (IndSTT.) He is currently the Board Member of various professional bodies like Construction Industry Development Council, Engineering Council of India (ECI), International Council of Consultants (ICC) & The Council for Application of Actuarial Science in Risk Management in Construction and Allied Industries (CARM).

The assignments handled by him have ranged from design, estimations, project planning and execution. He is the editor of No Dig India Journal and regularly contributes articles in the international trade & technical journal.

He has edited and authored 38 books on trenchless related subjects and developed several training modules related to construction and trenchless technology

**TT-Seminar - Registration forms for participants: post/fax/email reply to:** 

Asean Engineering Register (AER) C/o The Institution of Engineers, Malaysia Bangunan Ingenieur, Lot 60/62, Jalan 52/4, Peti Surat 223 (Jalan Sultan), 46720 Petaling Jaya, Selangor Darul Ehsan, Malaysia Or fax to +603-7957 7678 ( Att: Cik Ruwaida/Ms Ooi), Email : <u>sec@iem.org.my</u> or <u>aer@iem.org.my</u> or cheng8@ gmail.com

No	Name(s)	MES M'ship No.	AER M'ship No	Registration Fees( RM)	
16			1 6		1
-	the second s			10	2.3
		1	41.4		
	, total above	1357.5	1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1	1. 1. 5 . 5	
-	less allowable discount ( for 3 or more participants) 5% off			a stratte fi	
		Total	(RM)		
ame: .	······	(conta	ct person)		
esigna	tion :				1. 8
I'ship I	No. (if any) : Tel: (HP)	(Off).			
ax:	E-mail:		1. S		
)rganiz	ation/Co.:				
lailing	Address:				1
				and the second	
Inclose	d herewith a crossed cheque/bank draft/money order no.:	for the su	m of RM /US	D (se	ee tabl
bove) i efunda	ssued in favour of <b>'ASEAN Engineers Register Account'</b> and crossed <b>'A</b> ble if I/we withdraw after my/our registration is/are accepted by the C	/C Payee Only' Organizing Comn	I/We unden nittee but sub	rstand that the fe ostitution of parti	ee is no icipant
vill be a	llowed. If I/we fail to attend the course, the fee paid would not be refund	led.	Sec.		
)ate:		Signa	ture:		
			£19,000		1
<b><u>MPORT</u></b> ES Payr	ANT NO_Closing Date : 30 June 2013 ) ment via <u>CASH/CHEQUE/BANK-IN TRANSMISSION/BANK DRAFT/MONEY ORD</u>	ER/ POSTAL ORD	ER/LOU/LOG	/WALK –IN will be	
If p	bayment is not received and verified within the stipulated time, the registration fee	will be reverted to	the normal re	gistration fee.	If a
pla	LL PAYMENT must be settled before commencement of the event, otherwise ice is reserved and the intended participant fails to attend the course, the fee is to wrom the fee neiding and infinite the magnetic term is to be the reserved and the fee is to be a fee neiding and infinite terms of the reserved terms in the terms of the reserved and the fee is to be a fee neiding and the fee is the fee is to be a fee in the fee is to be a fee in the fee is to be a fee in the fee in the fee is to be a fee in the fee is to be a fee in the fee is to be a fee in the fee in the fee is to be a fee in the fee in the fee is to be a fee in the fee in the fee is to be a fee in the fee is to be a fee in the fee	be settled in full.	If the participa	ant failed to attend	the
ACCOL	int Name: ASEAN ENGINEERS REGISTER	or in accordance w	nui ulese ilistru	icuolis.	
Sank A	V/C NO.: / Y41568U/UYU				

Bank Add:30/36 Jalan 52/4

46720 Petaling Jaya, Selangor Darul Ehsan, Malaysia <. SWIFT CODE : SCBMYKXXXX