

IEM / MSTTT One Day Seminar on “Trenchless & Tunnel Technology – Current Development and Applications” (Supported by JKR Sabah and SgSTT)

Date : 14th September 2016 (Wednesday)
Time : 8.00a.m. to 5.30p.m.
Venue : Promenade Hotel, Kota Kinabalu

BEM Approved
CPD HOURS: 7.5
IEWSABAH/2016/29

Registration Fees (per person)

Membership Grade	Early Bird (incl. 6% GST)	Normal Price (incl. 6% GST)
Government, IEM, MSTTT and SgSTT	RM250.00	RM310.00
Non Member	RM300.00	RM360.00
Student	RM100.00	RM160.00

****Notes:**

Last Date for Early Bird Prices: 7 September 2016

GST per pax: Early Bird: RM14.15 (Member), RM16.98 (Non Member) & RM5.66 (Student)

Normal : RM17.55 (Member), RM20.38 (Non Member) & RM9.06 (Student)

Please register early. Participant must fulfill at least 75% of attendance per event to be eligible for CPD certificate.

SYNOPSIS

Tunnel and Trenchless Technology (or No-Dig methodology), developed and improved over decades enables construction of large underground infrastructure, laying of pipes, conduct condition assessment, rehabilitation, replacement and renewal without (or with limited) excavations. The obvious benefits of these technologies are the limited environmental and social impact associated with traditional open trench construction methods.

Among the many technologies employed in Malaysia, tunnel and pipe jacking and microtunneling techniques are now the most commonly used methodologies for the installation and/or construction of new MRT, water tunnels, sewers and other utility tunnels.

SPEAKERS' BIODATAS AND TOPICS COVERED

SPEAKER 1

YBhg Dato' Ir. Dr. ZULLKEFLE NORDIN is the Head of Director for Sewerage Services Department (JPP), Ministry of Energy, Green Technology and Water. Director General JPP. Dato' Ir. Dr. Zullkefle will illustrate the issues with the design and construction of Pahang Water transfer tunnel.

SPEAKER 2

Ir. LAU HIENG UNG is the Sarawak Director of Sewerage Services Department. He will cover the topic of Development on sewerage and pipe jacking in Sarawak, project owners prospective.

SPEAKER 3

Ir. EDWARD LINGKAPO after graduating Ir. Edward Lingkapo joined Sabah Drainage and Irrigation Department from 1987-1988 and subsequently joined Sabah Forest Industry between 1988 to 1989. End of 1989, he joined Sabah Public Works Department. He had served various district as a District Engineer. Currently he is the Ketua Penolong Pengarah for Pembentungan.

SPEAKER 4

Ir. CHENG KIM HUA graduated BE (Hons) from Monash University, Australia in 1976 and obtained his post graduate diploma in Hydraulic and Land Development from Delft International Institute (Holland) in 1982. He served the Malaysia's government from 1976 – 85, and has been with the Private sector in Singapore, Malaysia, India, Thailand, and Middle East. Mr. Cheng is a registered Professional engineer in Singapore and Malaysia. He has been in the engineering / construction works since 1976. A total of 36 years involving in the planning, design, and construction supervision and business development of engineering works including civil and infra and trenchless /Tunnel works/ structures. He has worked and travelled extensively, and covered countries including Singapore, Malaysia, Thailand, Vietnam, India and Middle East. Mr. Cheng served in many professional bodies such as the vice president of the Institution of Engineers, Malaysia, and Board Member of the Highway Authority, Malaysia and the Board of Engineers, Malaysia. He has also served in the continuing Education committee of the PE Board, Singapore and as Treasurer of Singapore Concrete Institute. He is widely travelled and have worked in trenchless areas in SE Asia and the Middle East for over 25 years and is currently project Director with Alliance Water & Environ Sdn. Bhd. He has also just completed a report as chairman for MITI on the export potential of tunnel and trenchless industry. Ir. Cheng will cover the Development and export potential for tunnel Trenchless technology within Malaysian Companies.

SPEAKER 5

Ir. Dr. DOMINIC ONG obtained his Bachelor's Degree from the University of Western Australia (UWA) in 1998 and his PhD in Geotechnical Engineering from the National University of Singapore (NUS) in 2004. Currently, he is the Director (Acting) at the Research Centre for Sustainable Technologies, Faculty of Engineering, Science & Computing, Swinburne University of Technology Sarawak Campus. He is also actively involved in geotechnical consultancy works within the local industry and previously in Singapore. Ir. Dr. Ong has particular interests in the fields of deep excavation, tunneling, soil-structure interaction, ground improvement, field instrumentation works and finite element modelling. He currently holds the position of Executive Committee Member of the Association of Consulting Engineers Malaysia (ACEM) Sarawak Branch, Institution of Engineers Malaysia (IEM) Sarawak Branch and is also a founding member of the Malaysian Geotechnical Society (MGS). He is also an Editorial Board Member of the UK's Institution of Civil Engineer (ICE) journal, Geotechnical Research. He is an associate professor in Swinburne University, Kuching Branch and ...he will cover Pipe jacking installation in weathered rock-experience in Kuching

SPEAKER 6

Ms. TRISHA SUN graduated from Gansu Industrial University, China in Civil Engineering in 1982 with Bachelor's degree. She obtained her Master degree of Project Management from Heriot Watt University, UK. She has accumulated valuable experiences during her over 30 years working experience in various parts of China, Singapore, South East Asia and Middle East. There are numerous multi-story and high-rise buildings with the seismic design being completed by her. She was employed as a principal engineer, associate director and oversea representative in few international consultants and enterprises. She is currently a partner of W&M consultants, Singapore, and a Director of GX Trenchless Pte Ltd, Singapore. She is a Principal Engineer at W&M Consultants, providing consultancy services to infrastructure and trenchless industry. She has been involved in trenchless/civil infrastructure area for over 10 years. Trisha is a Civil Engineer with a Master's in Project Management Degree from Heriot Watt University, UK. Ms. Sun will illustrate the development of jacked structures and the use of rectangular machines in China, demonstrating the use of specially designed machines to install utilities tunnels, in restrictive and congested heavy traffic areas full of all services and the successful implementation of such projects and achieve stringent settlement and other control.

SPEAKER 7

Ms. TIW SOOK WAH graduated from University Technology Malaysia with a Bachelor's Degree in and Engineering and has 11 years of working experience, she is involved in the quality control of the precast tunnel lining segment for Singapore MRT contract and other precast products e.g precast hollowcore slab, prestressed sleeper, precast beam, precast column, precast jacking pipe etc and she is well versed in the quality control of the ready mix concrete. Currently she is employed by SPC Industries as the Senior Manager (QA/QC).

SPEAKER 8

Mr. PEDRO TEIXEIRA General Manager, Bureau Veritas Singapore

SPEAKER 9

Mr. MARK PEARSON is a Board Member of Singapore Society for Trenchless Technology (SgSTT) Sub-committee Chairman-Rehabilitation Standards & Specifications, a Panel Member of the First PR China National Pipeline Rehabilitation Specification (China University of Geosciences). He Graduated from Leeds Metropolitan University, UK in 1983. Currently attached with RS Technik AG, Switzerland since 2009, VP - A&S Global Technologies, USA since 2015 and Applied Felts Ltd, UK since 2011.

SPEAKER 10

Mr. NG CHAK NGOON Since his graduation with BSc (Hons) and MSc in geology from the University of Malaya more than 40 years ago, Mr. Ng Chak Ngon has been an engineering geologist with key roles in the site investigations for major projects like the Peninsular Gas Utilisation Project II, Kuala Lumpur International Airport, the North-south Highway, and Malaysia-Singapore Second Crossing. His special interest in the application of geology and geophysics to engineering especially in residual soils has led to the publication of several papers on the topic and ground investigation techniques. He has been a founder member and one time president of the Malaysia Site Investigators Association, a member of Institute of Geology Malaysia, a life member of the Geological Society of Malaysia, and member of the International Association of Engineering Geologists. Although not a member of IEM he has on numerous occasions spoken at the Institution on various topics related to his fields of interest. Mr. Ng will illustrate his experience and give an insight presentation on the Seismic study for tunnel and trenchless applications

PROPOSED PROGRAMME

08:00am – 08:30am	Registration / Morning Tea Reception
08:30am – 08:45am	Welcoming address by IEM Branch Chairman
08:45am – 09:00am	Opening speech by Minister
09:00am – 09:30am	Tea Break
09:30am – 10:05am	YBhg Dato' Ir. Dr. Zulkhefle Nordin, Ketua Pengarah, Jabatan Pembetungan (JPP) Director General JPP <ul style="list-style-type: none">• Pahang Transfer Tunnel
10:05am – 10:40am	Ir. Lau Hieng Ung, Director, Sewerage Department, Sarawak <ul style="list-style-type: none">• Kuching Phase One Sewer Scheme, Lessons Learnt
10:40am – 11:15am	Ir. Edward Lingkapo, JKR Sabah <ul style="list-style-type: none">• Sewer and Pipe Jacking Development in Sabah
11:15am – 11:50am	Ir. Cheng Kim Hua <ul style="list-style-type: none">• Development and Export Potential for Tunnel Trenchless Technology within Malaysian Companies
11:50am – 12:25pm	Ir. Dr. Dominic Ong <ul style="list-style-type: none">• Pipe Jacking Installation in Weathered Rock - Experience in Kuching
12:30pm – 01:30pm	Lunch
01:30pm – 02:05pm	Ms. Trisha Sun, Principal, W& M Consultants <ul style="list-style-type: none">• Jacked Structures and Pipe Roof
02:05pm – 02:40pm	Ms. Tiw Sook Wah <ul style="list-style-type: none">• QAQC in the Production of Tunnel Segments and Jacking Pipe
02:40pm – 03:15pm	Mr. Pedro Teixeira, General Manager, CKM-BV <ul style="list-style-type: none">• QAQC of 3rd Party Inspection for Tunnel Segments and General Tunnel Supervision Works
03:15pm – 03:45pm	Tea Break
03:45pm – 04:20pm	Mr. Mark Pearson <ul style="list-style-type: none">• Rehabilitation - Singapore experience
04:20pm – 04:55pm	Mr. Ng Chak Ngoon, Chief Geologist, Subsurface Engineer <ul style="list-style-type: none">• Seismic Study for Tunnel and Trenchless Applications• Subsurface Investigation for Tunnel and Pipe Jacking
04:55pm – 05:15pm	Q&A
05:15pm – 05:30pm	Closing and certificate presentation

MSTTT : Malaysian Society of Trenchless and Tunneling Technology

SgSTT: Singapore Society for Trenchless Technology

Biodatas of several speakers were not obtainable at time of printing. These will be furnished during the seminar day.

REGISTRATION FORM

IEM / MSTTT One Day Seminar on "Trenchless & Tunnel Technology – Current Development and Applications"

I/We wish to participate in the above seminar on **Wednesday, 14th September 2016. (8.00am to 5.30pm)**

Name (s)	BEM No.	IEM No.	Reg. Fees RM (incl. 6% GST)
		Total RM	

Contact Person :

Designation :

Address :

Tel No. :

Fax No. :

Email :

Organization :

(Date)

- Please bring along this flyer for confirmation of attendance -

(Signature)

-Photostat copies are acceptable -

I/We understand that the fee is not refundable if I/we withdraw after my/our application(s) is/are accepted by the IEM Sabah. However, substitution of participants will be allowed. If I/we fail to attend the event, I/we will still settle the registration fee in full.