

ONE DAY COURSE ON HIGHWAY DRAINAGE DESIGN

Date : 22 March 2023

Time : 9.00 AM – 5.30 PM

Venue : Auditorium Malakoff, Wisma IEM

Speaker : Ir. Chee Shai Choon

BEM Approved CPD: 7 Hours
CPD Ref. No.: IEM23/HQ/078/C

	ONLINE (Log-in for registration & payment: www.myiem.org.my/member/login.aspx)	NORMAL FEE (by fax & email) Payment by cash, credit card and bank-in
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Organised by:
Highway and Transportation Engineering Technical Division (HTETD), IEM

Cancellation Policy

No cancellation will be accepted prior to the date of the event. However, replacement or substitute may be made at any time with 7 days prior notification and substitute will be charged according to membership status.

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**"IEM reserves the right to alter or cancel the programme due to unforeseen circumstances at its discretion".
For intending participants who choose to 'walk in without prior registration',
IEM SHALL NOT be responsible for any direct or consequential losses**

FOR FURTHER DETAILS, KINDLY CONTACT:

The Institution of Engineers, Malaysia
Bangunan Ingenieur, Lots 60/62, Jalan 52/4, P.O. Box 223 (Jalan Sultan),
46720 Petaling Jaya, Selangor
Tel : 603-7968 4001/2 Fax : 603-7957 7678 Email : suriani@iem.org.my

SPEAKERS



Currently, **Ir. Chee Shai Choon** is a certified professional CPESC who leads a group of software developers in C & S Software Solutions Sdn Bhd which incorporated in year 2006. His clients mainly in Malaysia, somehow, there are some clients in Singapore, Brunei and Vietnam. To meet his clients' requirement, he has fully concentrated on and only on this company. He is specializing in stormwater where he has developed a "core MSMA suite" which covers all the Chapters in MSMA 2nd edition. He has completed the whole MSMA2 into digital edition. He is the developer of the Infrastructure software which provided the most comprehensive civil engineering software. The product of Erosion and Sediment Control Plan(myESCP), OSD/Pond(IntelliDrain), 3D Earthworks-signature product(Zeon Earth), XSeries modules such as Detention Pond & OSD Design(ZeonStorm), Water reticulation(xWater), drainage network(xDrain), sewerage network(xSewer). Other software such as Sediment Basin and Singapore Pub design software. Further with the CPESC certifier, he has acquired substantial of knowledge in ESCP which led to one of his software is called myESCP which it is an erosion and sediment control plan software. It comprises of erosion and sediment control facilities such as Check Dam Diversion Channel, Silt Fence. These facilities which compliance to MSMA 2nd edition of chapter 12. The CPESC knowledge had led him to further on the ESCP development.

This year will be his 16 years anniversary on computer business. He is keeps on update his knowledge especially in stormwater field where enable him to invent more values in engineering products. With his continuity development of products in stormwater, he has further acquired significant amount of experience in this field. Either from direct feedback from software client i.e. consultant engineers, or his own involvement in stormwater projects, or during his events in stormwater. As a result, the cumulative skill and knowledge which covered from the design process involved up to construction and completion of stormwater works. It would be one of the best sharing with participants. He is also a civil engineer with good technical knowledge in engineering concepts. He has accumulated 21 years of his experience in field of IT and engineering design. His official website: www.civilstructural.com.my.

SYNOPSIS

One of the infrastructure elements will be a highway. Highway plays an important role in the growth of a country's economy. Besides the highway road design, there is an element that is part of the highway design. It is the drainage system for the highway. Generally, many designers will focus on highway geometrical design. With the advance of computers, many designers will be interested to use computer software to design the highway. How about the drainage system for the highway? Whatever landed development, the drainage system is part of an important element of civil works. Improper design of drainage systems will cause several issues such as flooding in the highway, landside, damaged road surface, road accidents due to surface water, etc.

Thus, this is a short course to give an insight view about the drainage system in the highway. It will cover from basic fundamentals of the drainage system starting from hydrology up to hydraulic design. The adoption of relevant guidelines such as Urban Stormwater Management Manual for Malaysia 2nd edition (MSMA2). How to use the MSMA2 in highway drainage design? Will it be the correct guideline to be used? How about the Guidelines for road drainage design by REAM?

An important topic in infrastructure highway design. Drainage system.

This course will cover:

Sharing information from the feedback on his previous courses, his software clients, and civil engineers' comments in the country.

- Concept and theory
- Design methodology
- Practical issue
- Tips and tricks
- Implement by technology

Who Could Benefit from This Course

- Government Agencies/Bodies/Local Authorities
- C&S Consultant Engineers
- Property Developers
- Design Engineers
- Contractors and Sub-contractors
- Researchers
- Lecturers
- Undergraduate / Postgraduate Students

TENTATIVE PROGRAMME

Time	Programme
08:30 am – 09:00 am	Registration
09:00 am – 10:30 am	Concept and theory in the drainage system
10:30 am – 10:45 am	Break
10:45 am – 1.00 pm	Hydrology and hydraulic concept
1.00 pm – 2:00 pm	Lunch
2:00 pm – 3:30 pm	Relevant guidelines and application
3:30 pm – 3:45 pm	Break
3:45 pm – 5.00 pm	Examples
5.00 pm – 5:30 pm	Q & A and End Session

*** IEM reserves the right to postpone, reschedule, allocate or cancel the course**

REGISTRATION FORM

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22 MARCH 2023

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No	Name(s)	Membership No.	Grade	Fee (RM)
SUB TOTAL				
+ 6% SST				
TOTAL PAYABLE				

PAYMENT DETAILS :

FULL PAYMENT must be settled before commencement of the seminar, otherwise participants will not be allowed to enter the hall. If a place is reserved and the intended participant fails to attend the course, the fee is to be settled in full. If the participant failed to attend the course, the fee paid is non refundable. The Registration Fee includes lecture notes, refreshment and lunch.

For **ONLINE REGISTRATIONS**, please note that payment **MUST** be made **BEFORE** the closing date. If payment is not received within the stipulated time, the registration the registration automatically cancels..

Contact Person : _____ Designation : _____

Name of Organization : _____

Address : _____

Telephone No. : _____ (O) Fax No. : _____ (O)

Handphone : _____ (HP) Email: _____

Signature & Stamp _____

Date _____

TERMS & CONDITIONS:

- For ONLINE REGISTRATIONS, only ONLINE PAYMENT is applicable [via RHB and Maybank2u – Personal Saving & Personal Current ; Credit Card - Visa/Master.
- Payment via CASH / CHEQUE / BANK-IN TRANSMISSION / BANK DRAFT / MONEY ORDER / POSTAL ORDER / LO / WALK -IN will be considered as NORMAL REGISTRATION
- The Organising Committee reserves the right to cancel, alter, or change the program due to unforeseen circumstances. Every effort will be made to inform the registered participants of any changes. In view of the limited places available, intending participants are advised to send their registrations as early as possible so as to avoid disappointment