Chairman,
Information and Communications Technology Special Interest Group,
The Institution of Engineers Malaysia,
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REGISTRATION FORM
ONE DAY WORKSHOP ON "CUSTOMIZATION CAD FOR DAILY ENGINEER'S WORKS"
ORGANISED BY ICTSIG
(CLOSING DATE: 13 DECEMBER 2019)

No	Name	M'ship No.	Grade	Fee (RM)
			SUB TOTAL	
			ADD SST 6%	
			TOTAL PAYABLE	

Enclosed herewith a crossed cheque No: _____for the sum of RM _____ issued in favour of "**The Institution of Engineers, Malaysia**" and crossed 'A/C payee only'. I/We understand that the fee is not refundable if I/We withdraw after my/our application is accepted by the Organising Committee as stated in the **cancellation term**. If I/We fail to attend the seminar, the paid registration fee will not be refunded.

Contact Person: _____ Designation:_____

Name of Organization: _____

Address: _____

_____

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

_____ (H) _____ (HP)

Email: _____

_____   _____
               Signature & Stamp   Date

photocopies are acceptable

PERSONAL DATA PROTECTION ACT
I have read and understood the IEM's Personal Data Protection Notice published on IEM's website at
http://www.myiem.org.my" and I agree to IEM's use and processing of my personal data as set out in the said notice.

14th DECEMBER 2019
(SATURDAY)

One Day Workshop
Customization of CAD for Daily Engineer's Works
Organised by
Information and Communications Technology Special Interest Group,
The Institution of Engineers, Malaysia, IEM

Venue	: IEM Maker Space Room, Ground Floor
	Wisma IEM, Petaling Jaya, Selangor
Time	: 9.00 am - 5.30 pm
Speaker	: Ir. Chee Shai Choon

Participants to bring own laptops

BEM Approved CPD/PDP: 7.0   Ref. No: IEM19/HQ/564/W

REGISTRATION FEES *(SST shall be at 6% with effect from 1 March 2019)*		
	ONLINE	**NORMAL (OFFLINE)**
IEM Student Member	RM 100.00	RM 150.00
IEM Graduate Member	RM 350.00	RM 400.00
IEM Corporate Member	RM 350.00	RM 400.00
Non IEM Member	RM 700.00	RM 800.00

IMPORTANT NOTES

- **Closing Date: 13 DECEMBER 2019 (TUESDAY)**
- For ONLINE REGISTRATION, **payment** MUST BE MADE VIA ONLINE PAYMENT **[via RHB Now and Maybank2u - Personal Saving & Personal Current; Any Credit Card - Visa/Master].** If payment is not received within the stipulated time, the registration fee will automatically be reverted to the normal fee.
- Payment via **CASH/CHEQUE/BANK-IN TRANSMISSION/BANK DRAFT/MONEY ORDER/ POSTAL ORDER/LOU/LOG/WALK –IN** will be considered as **NORMAL REGISTRATION**
- **FULL PAYMENT must be settled before commencement of the event**, 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. IEM reserve the right to reject any LOU/LOG not in accordance with these instructions.
- The Organising Committee reserves the right to alter or change the programme due to unforeseen circumstances.

"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".

SYNOPSIS

In every engineer's works, one of the important elements will be the drawing preparation. In the early day, it is prepared by manually using technical pen and paper or called drafting. Somehow, the invention of computer has brought human into another era which this manual drafting has been replaced by digital drafting. At the same time, there were drafting software started appearing in market. Eventually, one of the initial popular CAD software in market is AutoCAD. Software developed by AutoDESK. Now; it has more choice of CAD software in market which comprise of BricsCAD, ZWCAD, GStar, CADian, progeCAD and many more. The moment more engineering software appearing in market, indirectly it is forces engineers need to learn to do drafting instead of done by conventional draft person. With the emerging engineering software, the demand of draft person is reducing due to this task is replaced by engineers. Where now engineers are required to do drafting in the engineering software.

Furthermore, the fast growth of innovation technology will bring another technology named Building Information Modeling (BIM). It is a fast approaching technology. Somehow, we understand BIM still need a while before it become popular in our country. Therefore, the need of drafting still an important task in our daily engineer's works. All the engineering design need to present by drawing and engineering calculation. It will carry over for some years before it really replaced by BIM.

In our drafting world, we cannot run away from geometrical elements like circle, line, polyline, text, layer, block, dimension etc. Where in CAD they are called as entity. We are using all the time in digital engineering drawing. We spend substantial of time of preparing CAD drawing. Besides, it is a common task in all our drafting works. Is there anyway to improve further on the productivity of drafting works? For instance; we need to increase all the number of 100 times from current numerical content in CAD drawing. Or append a text of "LOT" of every lot in a civil engineering layout. It is not difficult to edit a text by addition of 100 value or append "LOT" to a text in CAD. But when we need to replace or append the text to say 500 similar entities in CAD. Then it will be a problem. It will consume tremendous of time in operating the works. This is where the customization of CAD will help you.

Here is a workshop where we show you how to customize the CAD application into a way that you need. Even on you own requirement where CAD cannot provide the function to you. For a better streamline of workshop, we will be used a CAD platform named BricsCAD. An alternative CAD by Bricsys from Belgium. It is a CAD platform which comes with function of BIM. Somehow, we will focus on CAD drafting. We will show you how to customize to your own need. Another addon language will be C#. A programming language developed by Microsoft.

Pre-requisite CAD software -BricsCAD V20 (Pre-Install Prior to Workshop)
1.Download link of BricsCAD trial https://www.bricsys.com/common/download.jsp?site=60&ref=821
2.Visual Studio Community 2019 Edition(pre-install) https://visualstudio.microsoft.com/

Contents	Who Could Benefit from This Course?
This course will cover: • **Introduction of CAD-BricsCAD** • **Purpose of customization in CAD** • **Basic advance programming by C#.** • **Build plugin** • **Implementation.**	• **Government Agencies/Bodies/Local Authorities** • **C&S Consultant Engineers** • **Property Developers** • **Design Engineers** • **Site Supervisors** • **Contractors and Sub-contractors** • **Researchers** • **Lecturers** • **Undergraduate / Postgraduate Students**

ABOUT SPEAKERS

Ir. Chee Shai Choon is a CPESC certified professional 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, where else there are some clients in Singapore, Brunei and Vietnam. 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 software 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(Zeon Earth), Detention Pond & OSD Design(ZeonStorm), XSeries modules such as Water reticulation(xWater), drainage network(xDrain), sewerage network(xSewer). Other software such as Sediment Basin and Singapore Pub design software. Further with the CPESC certified professional, he has acquired substantial of knowledge in ESCP which lead to one of his software is called myESCP. It comprises of erosion and sediment control facilities such as Check Dam Diversion Channel, Silt Fence. These facilities which are compliance to MSMA 2nd edition of chapter 12. The CPESC knowledge has led him to further on the ESCP development.

This year will be his 13 years anniversary on his 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. It can be from direct feedback from software client i.e. consultant engineers, his own involvement in stormwater projects, and 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. Currently his company has an international collaboration with three international engineering software companies from Europe i.e. Bricsys(Recommended alternative CAD) BricsCAD BIM, Computer Control System(Bridges)-Greece and Ingeciber,S.A(FEM) Spain. Along with his involvement on IT, he had conducted a number of talks/training in various organizations like IEM, JOS in JPS Ampang, Wawasan Professional Training Centre in KL. Talks & Seminar.

TENTATIVE PROGRAMME

TIME	PARTICULARS
08:30 – 09:00	*Registration*
09:00 – 10:15	CAD drafting environmental – BricsCAD V20
10:00– 10:45	*Tea Break*
10:45 – 11:15	Basic C# knowledge
11:15 – 12:30	**Common C# commands**
12:30– 13:30	*Lunch*
13:30– 15:15	Understanding Development environment in BricsCAD
15:15– 15:45	*Tea Break*
15:45– 16:30	Build you 1st case customization
16:30– 17:00	Q & A and End of Session

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