



The Institution of Engineers, Malaysia

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Talk on "Computer-Aided Design (CAD) Software for Civil Engineering Applications: Key for Optimising Design and Project Management Success"

(Organised by the Consulting Engineering Special Interest Group, IEM)

BEM Approved CPD/PDP Hours: CPD PENDING Ref No:

Date : **29 August 2014**
Time : **5.30 pm – 7.30 pm** (*Refreshments will be served at 5.00 pm*)
Venue : **Tan Sri Prof. Chin Fung Kee Auditorium, 3rd Floor Wisma IEM**
Speaker : **Mr. Arthur Gan, Director of Bricsys Malaysia**

SYNOPSIS

Computer-Aided Design (CAD) Software are commonly used and it is a necessity in today's Consultants offices often linking the common drawings to all related consultants in the same project. From the late 80's till today, many Consultants continue to relate CAD software to drafting functions more than what it can specifically function for each specialised field of applications for better, faster, accurate, easier generation and management of the project drawings.

In this talk, the speaker shall provide an overview of Geo-Plus Vision Series of software specifically customised to the field of Civil Engineering and Land Surveying which runs on AutoCAD®, MicroStation® or BricsCAD® environments to meet the new challenges and adapt to geomatic techniques across all borders.

He shall demonstrate Geo-Plus VisionCivil, a complete civil engineering software solution of calculation and design for any civil engineering project. With its DTM power and its tetrahedralization method, This Civil Engineering Software enables civil works to be done faster and changes on projects are updated at a glance. Geo-Plus VisionCivil solution resolves functionality, usability and process-related issues by integrating land surveying, design, analysis, 3D object and CAD standard management into your AutoCAD®, Civil3D®, MicroStation®, BricsCAD® CAD software. Civil Engineer, Road Constructor, Land Surveyor, Land Developer, Public work Professional can now have the most versatile assistant to automate many civil processes and to improve quality and accuracy of different types of scenarios where you can quickly visualize terrain from different angles; triangulation mode, producing profiles, cross section plans, capping, pipe services, and also to make rapid and accurate volume calculations. Geo-Plus VisionCivil software resolves functionality, usability and process-related issues by integrating land surveying, design, analysis, 3D model and CAD standard management. (Software features descriptions are available at www.geo-plus.com)

The speaker shall share his experience and elaborate the importance of customised Civil Engineering applications which reflects on the operational performance for design and management of projects as well as the growth of staff in your consultancy. The savings from time, accuracy and project collaboration between related consultants using this software can be easily justified to achieve better managed projects using CAD technology.

BIODATA OF SPEAKER

Mr. Arthur Gan completed his studies in Building Construction, Computer Programming & Database Management and began his career in the Building Industry working with a Consulting Firm in Melaka and on site in Genting. He started his Computer Graphics interests from 1980 when working in JKR Computer Centre and in 1985 he continued his work in Komputa Bina, a subsidiary of Hijias Kasturi & Associates, working with mainframe ComputerVision CADD54X producing working drawings for some of the largest projects in the country. In 1987 where we experienced the economic slowdown, he started promoting AutoCAD PC-CAD Workstations and CAD Training Courses which witnessed the success of many AutoCAD implementations with manpower skills enhancement and development today. To support AutoCAD users, he established the first AutoCAD User Group, registered with the North America Users Group and followed through the appointment of UTM as the first Authorised AutoCAD Training Center in Malaysia. From using Computer Vision Mainframe Graphics to AutoCAD PC-CAD Workstations, he started promoting IntelliCAD in late 1997 at one-tenth the investment costs and progressed to currently promoting BricsCAD with customers in almost every state in our country serving the large and small Consulting Firms in the related Building Industry where Computer Aided Drafting is the medium in delivering construction drawings. With the objectivity of delivering CAD software as a Design and Drafting tool irrespective of software brands, we are achieving the decreasing operating product cost, which combats the main issue of software piracy, to increased performance viability and the challenge towards increased CAD productivity through Specific-Industry Design vertical applications. He now endeavours towards equipping every Malaysian with affordable Computer-Aided Design (CAD) software and customized applications to enhance their design and drafting skills to be more Collaborative and Competitive in today's global economy and revolutionary age!

Ir. Yim Hon Wa
Chairman
Consulting Engineering Special Interest Group, IEM

ANNOUNCEMENTS TO NOTE:

- Talk is **STRICTLY** for IEM members only (**pre-registration and online registration are NOT required**) (**telephone and/or fax reservation will NOT be entertained**)
- Non members may also attend the talk and will be charged a registration fee of RM50 and an administrative fee of RM10.
- For affiliate members, there will be no registration fee. However, they are requested to produce their membership card as proof of membership. For the list of affiliates, please refer www.myiem.org.my/content/memorandum_of_understanding-469.aspx.
- Limited seats available on a "first come first served" basis (maximum 110 participants).
- IEM members are required to produce your membership cards for confirmation of attendance (CPD purpose).
- Latecomers will not be allowed to enter if the lecture hall is full nor be entitled to CPD. ***IEM members who fail to produce their membership cards will be charged a fee of RM20.00.***

FUNDS FOR IEM BUILDING FUND (WISMA IEM)

- Kindly be informed that IEM will be charging IEM members RM10.00 administrative fee for talks organized by IEM.
- The fee would be used for overhead costs, building maintenance expenses as well as to support the purchase of the new building.
- All contributions will be deeply appreciated by IEM
- Students are however exempted.

CPD HOURS CONFIRMATION

Name:

Membership No:

Signature: