



THE INSTITUTION OF ENGINEERS, MALAYSIA

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Talk on "DIGITAL SECURITY SOLUTIONS in the INTERNET ERA"

(In conjunction of IEM Engineering Week 2016)

Organised by Information and Communications Technology Special Interest Group, IEM
BEM Approved CPD/PDP Hours: 2 Ref No: IEM16/HQ/293/T

Day/Date: 17 August 2016, Wednesday

Time: 5.30 pm – 7.30 pm (Refreshments will be served at 5.00 pm)

Venue: Auditorium Tan Sri Prof. Chin Fung Kee, 3rd Floor, Wisma IEM, Petaling Jaya

Speaker: Mr. Eddy Cheah Hock Seng MIEM

SYNOPSIS

The internet has resulted in many innovative solutions for addressing existing business and technology needs and has also provided opportunities to advance in areas which have traditionally been slow in evolving technologically. An area which has seen significant deployment of existing technology to enhance and consolidated internet security is in the art of cryptography.

This presentation will describe areas in digital cryptographic systems which have an impact in the internet. It will also explore some solutions that have evolved to innovatively deploy cryptographic techniques to address issues of weakness in internet security and describe a holistic approach towards addressing security concerns in the rapidly evolving internet domain.

BIODATA OF SPEAKER



Eddy is presently the CEO of Devices World, a technology company that conceived, conceptualized and developed the patented internet 'cloud' based iSCADA system. Prior to this appointment, he was an independent technology consultant. In this consultant role, his expertise in integration of advanced security technology into disparate IT systems (payment, transport, government and banking) provides a very unique and comprehensive value add into projects that

involves the innovative use of smart cards in payment and identification. Eddy has completed several assignments on national smart card projects and conceptualization of systems to accommodate new smart chip payment technology for Computer Sciences Corp. (CSC), the Malaysian government, Siemens, Shell and Unisys Corp.

From early 1998 to 2003, Eddy actively contributed to the deployment of the Malaysian MyKad, a chip based multi-application national ID card with biometrics. He also specified the automated border control systems which used fingerprint biometrics in conjunction with Malaysia's contactless chip based passport (the world's first implementation of ePassports). Both the MyKad and Malaysia's chip biometrics passport (ePassport) pioneered the large scale deployment of secure identity documents utilizing chip and biometrics technology.

Ir. Chai Chen Sing

Chairman,

Information and Communications Technology Special Interest Group, IEM

ANNOUNCEMENTS TO NOTE:

- Preferential admission to talk shall be accorded to IEM members (pre-registration and online registration are NOT required). Telephone and/or fax reservation will NOT be entertained.
- **Non members may also attend the talk but will need to pay a registration fee of RM50 and an administrative fee of RM15. GST is inclusive.**
- **For members of affiliated organisations, there will be no registration fee payable. However, they are requested to produce their membership card as proof of membership. For the list of affiliated organisations, please refer to IEM website at www.myiem.org.my under International/MoU.**
- Limited seats are available on a "first come first served" basis (maximum 100 participants).
- IEM members are required to produce 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 RM25.00. GST is inclusive.**

ADMINISTRATIVE FEE

- Kindly be informed that an administrative fee of **RM15** is payable for talks organized by IEM. GST is inclusive.
- The fee would be used to cover overhead costs, building maintenance expenses as well as contribute to Wisma IEM Building Fund.
- All contributions will be deeply appreciated by IEM.
- Student Members are however exempted.

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