



The Institution of Engineers, Malaysia

Bangunan Injenieur, Lots 60/62, Jalan 52/4, Peti Surat 223, 46720 Petaling Jaya, Selangor Darul Ehsan
Tel: 03-79684001/2 Fax: 03-79577678 E-mail: sec@iem.org.my IEM Homepage: <http://www.myiem.org.my>

TALK ON

“AUTOMATION IN THE PALM OIL MILLS”

[Organised by the Agricultural & Food Engineering Technical Division, IEM]

BEM Approved CPD Hours: 2 hours

Ref No: IEM15/HQ/268/T

Date : 17 August 2015 (Monday)

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

Venue : TUS & C&S Lecture Room, 2nd Floor, Wisma IEM, Petaling Jaya.

Speaker: Ir. Ooi Ho Seng

SYNOPSIS

Automation in a palm oil mill involves monitoring and regulating the operations of the various processing machinery remotely. The automated machinery systems in a mill may include Automated FFB (fresh fruit bunch) loading ramp, Automated FFB cage handling systems, Automated Sterilizer Process Control System, Automated Back Pressure Receiver system, Automated SFB (sterilized fruit bunch) handling system, and Automated Digester Level Control system. The current Sterilizer technology systems come complete with automated machinery systems from FFB reception to SFB handling. The technical features and performance of the different available sterilizer technology systems are briefly evaluated and compared. Control systems are used in various waste treatment technology systems, such as POME (palm oil mill effluent) polishing plant and biogas digester plant, to monitor and optimize the biological treatment processes. The latest DOE (Department of Environment) requirement is the installation of a suitable Continuous Emission Monitoring System in all new mills. Control Systems are used to operate the machinery systems of an automated EFB-POME co-compost plant.

BIODATA OF SPEAKER

Ir. Ooi Ho Seng graduated from the University of Malaya with a Bachelor of Engineering degree (Mechanical) in 1972 and a Master in Engineering Science degree in 1975. Ir Ooi carried out research in machinery design and development for Mechanisation and Automation of agricultural crop production and post harvest processing including infield transportation of FFB in MARDI (Malaysian Agricultural Research and Development Institute) from 1974 to 2005. He is a Director of SGT Konsult Sdn Bhd and O3 Solutions Sdn Bhd and has been actively involved in the selection of machinery and automation systems for palm oil mills as well as for mill wastes treatment plants since 2007. Ir Ooi has served the Agricultural & Food Engineering Technical Division (AFETD) in various capacities from 2000 to present and has served the IEM Membership drive and Promotion Sub-Committee since 2011.

Ir. Yong Hong Liang

Chairman

Agricultural & Food Engineering Technical Division, 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.

CPD HOURS CONFIRMATION

Name:

Membership No:

Signature: