

Technical Talk on

“The Science behind Constructed Wetland and Design in the Case Studies in Different Industries”

Organised by: Environmental Engineering Technical Division, IEM

BEM Approved CPD/PDP Hours: 2 Ref. No. IEM20/HQ/055/T

Date : 5th March 2020 (Thursday)
Time : 5.30pm – 7.30pm (Refreshments will be served at 5.00pm)
Venue : Auditorium Malakoff, Ground Floor, Wisma IEM, Petaling Jaya
Speaker : Prof. Anthony Wong

SYNOPSIS

Constructed wetlands (CW) are natural treatment technology for cleaning wastewater using bioremediation (collaboration between plant, fungi and microbe) method. CW for wastewater treatment are considerably less costly than mechanical treatment systems and have lower running costs. They can be used for a wide variety of applications such as domestic sewage treatment, waste waters and field runoff buffers, recreational applications, flood control and habitat enhancement.

CW utilization generates economic savings because they rely on more natural methods, they are less expensive to build and operate than conventional sewage treatment furthermore the purified water is suitable for reuse.

CW can help to create the awareness for local and community the importance of wastewater treatment. It also can act as one way to educate student from the university to better understand the workings of the treatment process. The creation of CW can also assist in changing the way people relate amongst themselves while at the same time promoting other alternatives of development.

Environmental Engineers can learn how to use Biology and the science behind CW to better treat waste water from the many industries at a much cost saving and sustainable manner. CW system can easily adapt what has been built and work along what one has thus very flexible in design and again able to keep costs down.

SPEAKER BIODATA



Prof. Anthony Wong is the group managing director for several companies which include the greenest Resort in Malaysia, The Frangipani Resort and Spa in Langkawi which has won many Green Awards, Asian Overland Tours and Travel, and AOS Conventions and Events. Prof. Anthony was conferred the Degree of Masters of Arts (Sustainable Tourism) (Honoris CAUSA) from Universiti Utara Malaysia in 2009. He is an Adjunct Professor-Events, Taylor’s University (1st January 2011 – present), Adjunct Fellow Faculty of Tourism & Hospitality Management, UUM (October 2006 to present) and he also is an active member of UUM College of Law, Government and International Studies – Committee member for “Pengajian Program Ijazah Sarjana Muda Pengurusan Acara Dengan Kepujian” (January 2012 – present). He is also a member of the Board Member of Organic Alliance Malaysia 2019, Member of CETDEM 2019, Board Member in Malaysia Green Building Confederation (MGBC) (2018/2019), Honorary Consulate General of the Republic of Cote d’Ivoire in Kuala Lumpur, Malaysia (appointed on 18th June 2008), Board of Member at Tourism Selangor (2009) and also the Secretary to Malaysian Hotel Owners Association (MAHO).

He has been in the Travel and MICE industry for more than forty years and has contributed his knowledge by traveling globally to share his experiences in the field. He was an invited speaker at the Rio+20 Corporate Sustainability Forum in Brazil. He also spoke at the ASEAN Tourism Conference and the Asia-Pacific Enterprise Cooperation (“APEC”) Summit in which he received the APELA 2013 Award “Theme: Case Study on Designing & Building a Green Resort – Over 200 ways to save on Water, Energy, Waste, Recycle and Rethink on the Way We Operate.

As a veteran, Prof. Anthony has always been a green person and sustainability was always part of his nature and passion since at young age. From a humble beginning, Prof. Anthony’s love for nature has made him value the environment and adapted green practices in all his ventures.

Ir. Choo Chee Ming
Chairman, Environmental Engineering Technical Division, IEM

FEE ANNOUNCEMENT (Effective: 1st October 2017)

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Members:

- (i) Registration Fee: No Charge
- (ii) Administrative Fee:
 - (a) Online RM15
 - (b) Walk-In RM20

Non-Members:

- (i) Registration Fee: RM50
- (ii) Administrative Fee: RM20

- Limited seats are available on a “first come first served” basis (maximum 100 participants).
- To secure your seat, kindly register online at www.myiem.org.my

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I have read and understood IEM’s Personal Data Protection Notice published on IEM’s website at www.myiem.org.my and I agree to IEM’s use and processing of my personal data.

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For intending participants who choose to ‘walk in without prior registration’,

IEM SHALL NOT be responsible for any direct or consequential losses”.