



THE INSTITUTION OF ENGINEERS, MALAYSIA

Bangunan Ingenieur, 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

“TECHNIQUES AND PRACTICES IN RAINWATER HARVESTING” (organised by the Consulting Engineering Special Interest Group, IEM)

Date : 30 May 2012 (Wednesday)
Time : 5.00 pm to 6.30pm (*Refreshment will be served at 4.45 pm*)
Venue : Tan Sri Prof. Chin Fung Kee Auditorium, 3rd Floor, Wisma IEM
Speaker : Ir. Ellias bin Saidin

**BEM Approved
CPD/PDP Hours: 2
Ref No: IEM12/HQ/129**

SYNOPSIS

The ever increasing demand for water due to population growth has put a strain on the traditional sources of water. Rapid urbanisation and increase in population has exhausted traditional water resource for cities such as from dams and river catchments. There is a paradigm shift in the utilisation of water resource and the age old practice of harvesting rainwater is being reintroduced as a sustainable source of water. Why capture water from a long distance away, pumped through long distance pipelines, chemically treat the water to be used for toilet flushing, cleaning and gardening? Rainwater can be captured where it falls on the roofs and pavements, stored and used within the premises. “Using the Water at Source” is the most effective sustainable method of water supply; reducing carbon footprint and preventing environmental degradation.

To successfully utilise this sustainable alternative source of water supply, a properly designed Rainwater Harvesting System (RWH) must be installed to ensure quality of the stored water. Ir. Ellias will present and review Rainwater Harvesting Systems overseas and in Malaysia, describe the components in a RWH system, explain the design and review the current codes and guidelines.

BIODATA OF SPEAKER

Ir. Ellias Saidin graduated in 1980 from the University of Tasmania with a Bachelor's Degree in Civil Engineering. He holds a Master's Degree in Environmental Engineering from University Putra Malaysia. Ir. Ellias is the Principal of Perunding Ikatani, a Consultant Engineering firm he established in 1991. He is a registered Professional Engineer (P.Eng.), Deputy Chairman of the Water Resources Technical Division of the Institution of Engineers Malaysia (WRTD, IEM), Member of the Malaysian Water Association (MWA), Committee Member of Selangor Water Association (SWAN), Vice-President of Environmental Management and Research Association of Malaysia (ENSEARCH) and a Life member of the International Rainwater Catchment Systems Association (IRCSA).

Ir. Ellias has designed and assisted in installations of Rainwater Harvesting Systems. He has presented papers at Water Conferences, written articles to Engineering Journals and presented talks at Seminars, Workshops and Colloquiums.

Ir. Dr. Ooi Teik Aun

Chairman
Consulting Engineering Special Interest Group Technical Division, IEM
PS: The AGM of the CESIG will be held at 6.30 pm after the talk.

Announcement to note:

1. Talk is **STRICTLY** for IEM members only (walk in)
2. Limited seats available on a "first come first served" basis
3. No telephone and/or fax reservation will be entertained.
4. Latecomers will not be allowed entrance, if the lecture hall is full.
5. Please bring along this flyer and membership card for confirmation of attendance (CPD purpose).

For IEM members, membership cards **MUST** be presented for identification purpose. Members who fail to show their membership card will be charged a fee of RM20.00.

FUNDS FOR IEM NEW BUILDING

Kindly be informed that IEM will be charging participants RM10.00 administrative fee to evening 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.
Students are however exempted. Your understanding is greatly appreciated.

CPD HOURS CONFIRMATION

Name of Member: M'ship No:
Signature: Date :