



HALF DAY WORKSHOP ON “ELEVATING THE SAFETY OF HARVESTED RAINWATER FOR POTABLE AND NON- POTABLE USES AT HOUSEHOLD LEVEL”

09 May, 2024 (THURSDAY)

9:00AM - 1:30PM

VENUE : C & S & TUS LECTURE HALL,
2ND FLOOR, WISMA IEM



For Speakers Biodata
Click the link



**IR. DR CHANG
CHUN KIAT**
SPEAKER



**IR. DR LEO
CHOE PENG**
(USM)
SPEAKER



DR. ANG WEI LUN
(UKM)
SPEAKER

Jointly Organised By:

Water Resources Technical Division, IEM,
Universiti Sains Malaysia, REDAC
Universiti Kebangsaan Malaysia

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BEM Approved CPD/PDP Hours:

Ref No: Pending

Synopsis:

Water is considered a vital resource for global sustainability and economic growth. Nevertheless, global climate change, rapid urbanisation, and environmental degradation are accelerating the depletion of clean water resources at an alarming pace in the twenty-first century. In response, Rainwater Harvesting Systems (RWHS) emerge as a promising alternative water source.

Malaysia, endowed with high annual rainfall and substantial domestic water consumption stands poised to leverage rainwater harvesting for both potable and non-potable uses. Yet, the efficacy of harvested rainwater hinges on meeting acceptable water quality standards. The quality of harvested and stored rainwater can be influenced by topography, weather, and sources of pollution. Therefore, treatment and regular monitoring are required as poor water quality can impose health risks due to the existence of chemical, physical and microbiological contaminants. With the RWHS treatment system, the harvested rainwater can be converted into clean water as an alternative water supply for various domestic applications.

The stakeholder workshop will focus on the development of sustainability assessment framework, upskilling the stakeholders, and preparing a policy paper to elevate the safety of rainwater harvesting for non-potable and portable uses. With the cost-effective, sustainable, and socially acceptable application of RWHS, Sustainable Development Goals (SDGs) especially SDG 6 (Clean Water and Sanitation) and SDG 13 (Climate Actions), can be achieved with the benefits gained from the environmental, economic and social aspects.

Time	Programme
9.00am - 9.05am	Welcoming remarks from the Chairman of Water Resources Technical Division (WRTD) Officiate the Stakeholders Workshop by the IEM President/ Vice President
9.05am - 10.00am	Technical talk 1: Technical presentation on the IEM Position Paper for “Elevating the safety of harvested rainwater for potable and non-potable uses at household level” by Speaker 1: Ir Dr Chang Chun Kiat
10.00am - 10.15am	Break
10.15am - 10.45am	Technical talk 2: Rainwater Quality & Treatment by Speaker 2: Assoc. Prof. Ir. Dr. Leo Choe Peng
10.45am - 11.15am	Technical talk 3: Treatment Technology of Harvested Rainwater for Reuse - Speaker 3: Dr Ang Wei Lun
11.15am - 12.15pm	Discussion 1: Group 1 - (1) Proposed Framework - (2) Assessing and Prioritizing Hazard Risks Group 2 - (1) Proposed Framework - (2) Periodic Investigations, Monitoring, and Maintenance Schedule for Rainwater Harvesting Systems
12.15pm - 13.15pm	Discussion 2: - Propose recommendations
13.15pm -13.30pm	Round up and Photo session