

ORGANISED BY:
URBAN ENGINEERING DEVELOPMENT SPECIAL INTEREST GROUP (UEDSIG)

Recorded Webinar Talk on

“Sustainable Urban Engineering & River Cleaning”

In Conjunction with World Engineering Day Celebration from 2nd March till 7th March 2026

BEM APPROVED CPD: 2.0

REF NO.: IEM25/HQ/124/T (w)



**ASSOC. PROF. IR. DR.
ZAHIRANIZA MUSTAFFA**

Speaker :

Dr. Zahraniza Mustaffa is an Associate Professor and Chair of Integrated Engineering at Universiti Teknologi PETRONAS (UTP). She holds a PhD from Delft University of Technology, Netherlands, an MSc from the University of Alberta, Canada, and a bachelor's in civil engineering from UTM. Dr. Zahira's research focuses on urban hydraulics and probabilistic structural designs. She actively engages with the Women Engineers Section of the Institute of Engineers (IEM) and has received numerous teaching and research awards, including the prestigious national Teaching & Learning award in the 14th National Academic Award (Engineering Cluster) in 2022.

 **2 March 2026, Monday**

2.00 pm - 4.00 pm

Synopsis :

This lecture explores sustainable urban engineering with a focus on river cleaning technologies. It covers pollution challenges, innovative solutions like AI-driven monitoring, bioremediation, and mechanical waste removal. Several case studies will be shared highlighting successful interventions. The session emphasizes technology and community efforts for sustainable water management.

Registration Fees

IEM Students : Free

IEM Members : RM 15

Non-IEM Members : RM70

