

TECHNICAL TALK ON SAFETY CULTURE: NUCLEAR ACCIDENTS, SAFETY PHILOSOPHIES, AND ENGINEERED REACTIONS

**SPEAKER:
DR. AZRUDI MUSTAPHA**



**10 JUNE 2023,
SATURDAY**



10.00AM - 12.00PM



**MALAKOFF AUDITORIUM, WISMA IEM,
PETALING JAYA**

Registration Fees
IEM Members : RM 15.00
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SYNOPSIS

The effects of a nuclear accident can be devastating, both in terms of human health and the environment. Therefore, safety philosophies have been developed to prevent accidents and to minimise their impact.

The nuclear industry places a high priority on safety. Safety philosophies such as Defense-In-Depth, ALARA, Conservative Plant Conditions, and Minimum Function Principle guide the design, regulation and operation of nuclear power stations. Many of these philosophies can trickle to other sectors and industries in order to foster our collective safety culture.

In this talk, we will address nuclear engineering basics, nuclear safety principles, nuclear accidents, safety regulations and emerging nuclear technologies.

SPEAKER'S PROFILE

Dr Azrudi Mustapha is an advocate of clean and sustainable energy with over two decades of experience in the energy sector. He has given talks on environment and sustainability on various media outlets such as Bernama, Tenaga Belia, Critical Mass and Malaysia Nature Society (Selangor).

He spent over a decade working with TNB where he gained extensive experience in power generation technologies, transmission planning, distribution. He also served MESTECC in its government agency to design energy markets and reform the MESI.

Azrudi has a Doctorate of Philosophy degree from Imperial College London in Nuclear Engineering funded by Yayasan Khazanah Nasional. He also has a Master's Degree from University of Manchester in Nuclear Science & Technology funded by British Chevening, a Bachelor's Degree in Electrical Engineering from Carleton University, Canada in 2001, and he is also a Sunway Uni alumni.

Azrudi is currently fundraising for CENERGY to develop a new nuclear reactor technology that he designed at Imperial College London, with patents recently published by WIPO in Feb 2023.