

# WEBINAR

## “OCEAN NOISE AND ITS CLASSIFICATIONS”

CPD HOURS : 2

Ref. no:

IEM20/HQ/136/T  
(w)

### SYNOPSIS

Many marine organisms rely on their ability to hear @ sound for their survival. Sound is a highly efficient means of communication underwater and is the primary way that many marine species gather information about their environment. Many aquatic animals use sound to find prey, locate mates and offspring, avoid predators, guide their navigation and locate habitat, as well as to listen and communicate with each other. Over the last century, human activities such as shipping, recreational boating, and energy exploration have increased along our coasts, offshore, and deep ocean environments. Noise from these activities can travel long distances underwater, leading to increases and changes in ocean noise levels in many coastal and offshore habitats. These rising noise levels can negatively impact ocean animals and ecosystems. This talk will discuss different types of ocean noise sources and the approaches to characterise the associated parameters. The natural and man-made noise measurement methods will be described accordingly. Discussion on possible mitigation methods will also be explored.

### SPEAKER

Mohd Rizal Arshad graduated from the University of Liverpool, UK in July 1994; with a B.Eng. in Medical Electronics & Instrumentation and January 1999 with a PhD Degree in Electronic Engineering. He completed his MSc. in Electronic Control Engineering from the University of Salford in 1995. His areas of specialization are ocean robotics and instrumentation, control and intelligent system. He is currently a full professor and Deputy Vice Chancellor in Academic and International at Universiti Malaysia Perlis (UniMAP), Malaysia.



Ir. Prof. Dr Mohd  
Rizal Arshad

### Registration Fee

(effective on 1<sup>st</sup> August 2020)

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