

## WEBINAR TALK ON

# Methodology and Approach for Vibration Analysis on Rotating Machinery

*(Royal Malaysian Navy versus Industry)*

**ORGANISED BY : MARINE ENGINEERING & NAVAL ARCHITECTURE TECHNICAL DIVISION**

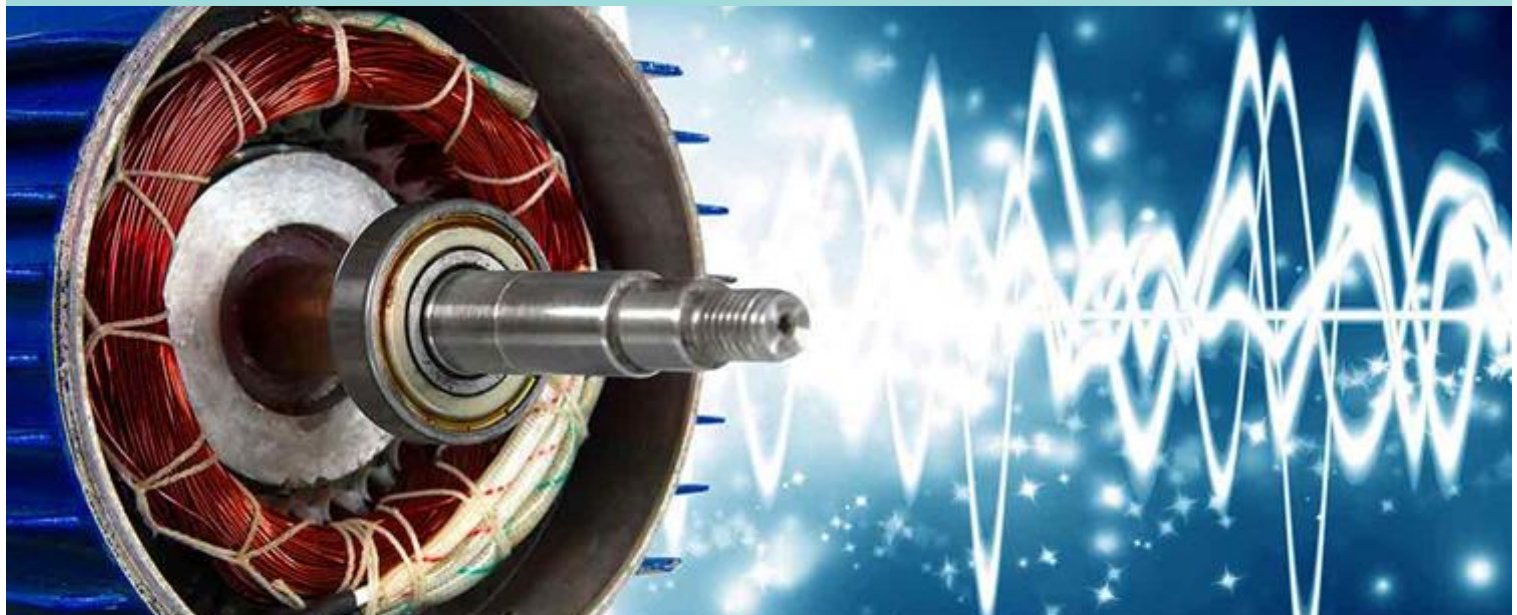
BEM APPROVED CPD : 2      REF. NO : IEM21/HQ/164/T(w)

**SPEAKER :**

Lt Cdr Ir. Mohd Shafiq Sharhan bin Zainal  
RMN



**2 JUNE 2021 (WEDNESDAY)**  
**3PM - 5PM**



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# *SYNOPSIS*

Rotating machinery is commonly use in the naval warship and industrial machinery to generate energy and production. Vibration phenomena on rotating machinery affects the machinery performance and lead to the component break down. Currently, vibration analysis is one of the most effettive tools/method to mitigate this problem.

This talk aims to share the Royal Malaysian Navy (RMN) holistic approach on vibration analysis towards rotating machinery. The presentation will discuss details on the vibration tools, methodology and implementation of Subject Matter Expert (SME) to enhance in-house capability for RMN. The comparison with industrial is made to see the difference and suggest for improvement.

## *SPEAKER'S PROFILE*

**Lt Cdr Ir. Mohd Shafiq Sharhan bin Zainal RMN** is the RMN Mechanical Engineer since 2008. Throughout his service, he has held several appointments ashore and at sea as well as Deputy Marine Engineering Officer KD SELANGOR and Engineering Officer KD KINABALU.

Lt Cdr Ir. Shafiq holds a Bachelor's Degree in Mechanical Engineering from University Technology Malaysia (2008), Master of Management from UNITAR International University (2018). On 2018, he is the first RMN officer awarded a scholarship from The Swedish Institute where he earned his Master of Mechanical Engineering (Structural Mechanics) from Blekinge Institute of Technology (2020) and Diploma in Self Leadership Programme (2020).

Lt Cdr Ir. Shafiq has attended various professional and academic careers throughout his career including Nuclear, Biological, Chemical, Defense Instructor (NBCDI) at New Zealand (2011). He registered as a Professional Engineer accredited by Board of Engineers Malaysia in 2015.