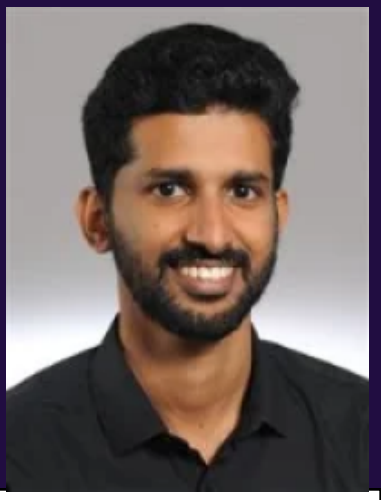
TransTech Talk Series # 27

KSCSTE-NATPAC

Underwater Radiated Noise due to Maritime Transportation



Dr. Joseph Praful Tomy

Monday, April 28, 2025 2:00 pm - 3:00 pm

https://tinyurl.com/Transtech-Talk-27

ABOUT THE TALK :

Underwater Radiated Noise (URN) is a growing environmental concern, as it can significantly impact marine life, including disrupting communication, navigation, and breeding patterns of aquatic species. This talk sheds light on this often-overlooked yet increasingly critical environmental issue, which has intensified with the rapid growth of global maritime transportation.

The presentation will address how maritime transportation contributes to URN and touch on the impact this has on aquatic life. The current status of global policies related to URN will be discussed – the International Maritime Organization (IMO) resolutions, guidelines for low-URN ships by classification societies and regional policies by organizations such as the European Union. These are discussed in conjunction with the United Nations Sustainable Development Goal (SDG-14) to conserve and sustainably use the oceans, seas and marine resources.

ABOUT THE SPEAKER :

Dr. Joseph Praful Tomy currently works as a Hydrodynamics Research Engineer in the Propeller Design Department at MAN Energy Solutions, Copenhagen, Denmark. He has experience working with various facets in the maritime industry – ship design and building at Goa Shipyard Limited, marine composite structures and rule development at Bureau Veritas, and marine propeller design and hydrodynamics at MAN Energy Solutions. He started his education in the maritime sector through a bachelor's degree in Naval Architecture and Ship Building from Department of Ship Technology, CUSAT and dual master degree in Advanced ship design from the University of Liege Belgium and Ecole Centrale de Nantes, France. He completed his PhD degree from the Technical University of Denmark.