



*To*  
*My Beloved Family*  
*And of course*  
*All my dear students across the world*  
*For being the wind beneath my wings*

# Preface to the Eighth Edition

---

The contents of the book have been adequately prepared to cater to the syllabi for Marine Engineering cadets and qualified Marine Engineer Officers up to the rank of a Chief Engineer. Hence this book may also be referred to while preparing for competency examinations and conversion or professional enhancement programs at the post-sea level.

Electro Technical Officers onboard commercial ships and those undergoing training to qualify for the position will find it useful too. It contributes to the syllabus for achieving competence standards and certification as per the 2010 amendments to the STCW Convention (effective from the 1<sup>st</sup> of January 2012).

Besides technical information, relevant extracts from SOLAS Regulations, IACS Guidelines, Lloyd's Register, Det Norske Veritas and American Bureau of Shipping Rules, have been included with permission. However, these extracts must be used only for academic purposes. Relevant documents that are in force and issued to ships and related organisations must be referred to, for the purpose of complying with Classification Societies' Guidelines and other Statutory Requirements.

The question bank comprises of over 1100 questions, which are framed at the end of each chapter. More than 550 relevant figures also include photographs that have been contributed by leading equipment manufacturers across the world.

The feedback received from both students and professionals besides many well-wishers has contributed to improvement in the quality of the content in every edition. Though every effort has been made to cater to the needs of the growing shipping industry and various maritime educational institutions, any further suggestions and advice would always be welcome!

**Elstan A. Fernandez**